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REPUBLIC OF INDONESIA

DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT

REPORT ON

THE BRANTAS RIVER BASIN DEVELOPMENT PLAN

(DATA BOOK)

- MAY 1973 ○○○○

OVERSEAS TECHNICAL COOPERATION AGENCY
GOVERNMENT OF JAPAN

国際協力事	業団
受入 月日 184. 5.23	108
登録No. 06944≥	SD

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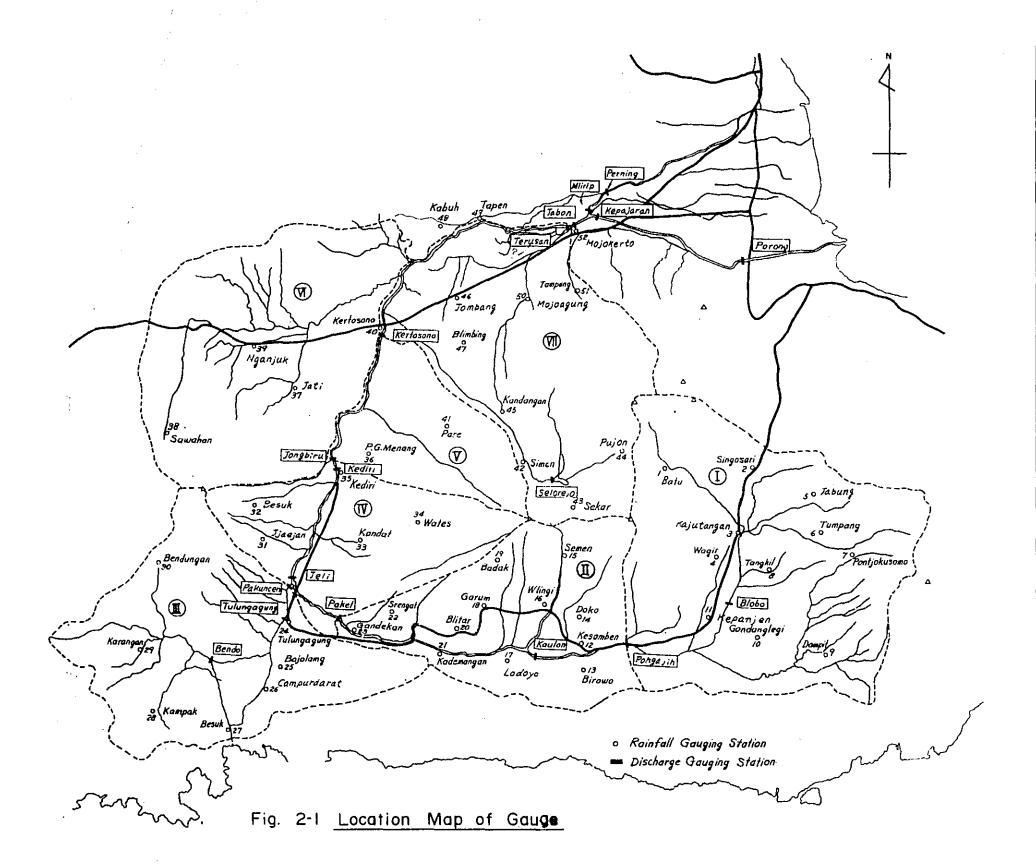
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	のでは、100mmの		7,332			4.13.00 L		6,142		290	.129	1.204	760	**************************************	1,12)		1.146	595	335	5.50 BBC 1	515		1.174	1:196	"dentjana Penggunaan Tanah Hilir Deersk Aliran Kali Brantas Inapeksi Landuse Java Tirur, Malang	
Population Dencity in		(6)/(0)	5,463		2,377			r of Stal Stal		864	915	553	592	290	953		57.2	526	654	451	•	832	<u>595</u>	708	Hentjana Penggunaan Tanah Hilir Dae; Inapekai Landusa Jawa Timur, Walang	
	(1971)	(3)x(3)=(H) (3)x(C)=(D)	1,410,453	59,967	135,423	67,532	414,3%6	2,133,515		121,431	667,649	505,942	311,681	53,301	1,081,915		774,734	902,762	721,834	495,354	1,491,326	260,629	7,891,551	10,027,077	(B): "Rentjana i Inapekat i	
Population in Brantes River Davin	(1961)	(a)×(c)=(b)	1,043,345	51,732	158,919	62,972	341,452	1,663,420		101,824	\$41,051	420,318	686,362	50,943	918,036	•	675,906	797,954	641,532	416,914	1,252,990	213,810	6,722,690	8,336,110 10,027,677	6	
Popula Brants	Estio (7)	(E)	ç	100	100	100	100			ç,	100	35	001	S	100	0	100	95	95	95	35	8				itianto of
H.	(1071)	(3)	1,567,175	296'65	130,423	67,732	414,886			607,172	667,649	\$95,226	811,631	583,012	1,031,915	737,760	744,734	922 056	759,825	521,425	1,754,501	863,762			Tionr.	Sensus Penduduk Sep. 25, 1971 Sensus Dan Statistik Propinsi Java Ilmur Pigures except East Java are based on rough eviinnte Population Census Sept., 1971 by B.P.S. Jakarta.
Population in	Administrative Area (1951)	(a) (a)	1,164,929	51,732	153,913	62,972	341,452			509,113	541,492	767 767	686,362	\$09,428	919,036	699,865	926'519	339,952	675,349	413,857	1,474,106	729,357			Java Limur Dalam Angta 1970" Java Sersus dan Jaxistik Tropinsi Java "Almanak INDONENIA 1953" Biro Pusat Statistik, Jakarta,	Sensus Penduduk Sep. 25, 1971 Sensus Dan Statistik Propinsi Java Pigures except East Java are based Population Census Sept., 1971 by E.
Arantas sin	() () () () () ()	$(C)=(A)\times(B) (D)$	192	· ~	63	16	69	347		205	592	761	1,160	176	643	2	1,183	1,513	186	1 06	2,775	263	11,494	11,841	ales Astractions of the state o	uk Sep. Z stistik P t East Ja naus Sept
Area in Brantas River Basin	Ratio Area	(st)	70	ક્	100	100	ន្ម			. 18	100	16	100	11	100		100	6	93	75	80	2			Java Timur Dalam Angla 1970* Sensus dan Statistik Tropinsi "Almanak INDONESIA 1962* Biro Pusat Statistik, Jakarta.	Sensus Penduduk Sep. 25, 1971 Sensus Dan Statistik Propinsi Pigures except East Java are Population Census Sept., 1971
Administrative	Area (V-2)	17)	274	.	63	91	69			1,137	\$92	836	1,160	1,034	963	1,311	1,183	1,663	1,055	1,205	3,407	1,315				(B): Senst Senst Pigul Popul
	Administrative Districts	Usban	Surabaya	2. Mojoherto	J. Kadiri	4. Blitar	5. Malanz	Sub-total/Mean	Rural	Surahaya.	7. Sidoario	Mojokerto	Jongban	10. Madiun	Il. Kediri	Ponorogo	13. Nganjuk	14. Blitar	15. Tulungagurg	Trengzalek	:41 eng	18. Pasuruan	Sub-total/Sean	Total	Lists Source: (A) & (J):	

Data Source: (A) & (D):

2. Monthly Rainfall at 52 Rain Gauges

The compiled herein is the monthly rainfall of 52 raingauges calculated from the records during the 1951-1971 period. The location map of 52 gauges is as shown in Fig. 2-1.



Rainfall Gauging Station

	Station number	Name of place	Elevation	Interrupted period during 1951-1970 Period
_ /	В	Batu	877	1961
2	51	Singosari	480	
3	52	Kajutangan	465	
4	55	Wagir	400	
	83	Jabung	550	
6	84	Tumpang	600	
7	85	Pontjokusomo	860	
8	58	Tangkil	397	1961, 1967
9	86	Dampit	510	1961
10	64 a	Gondanglegi	558	
11	52	Kepanjen	335	
12	167	Kesamben	205	
13	/68	Birowo	175	
14	165	Doko	328	,
15	/53	Semen	500	1951~1953
16	164	Wlingi	320	
17	144	Lodoyo	/32	1952
18	136	Garum	245	
19		Badak	560	1951
20	137	Blitar	170	· · · · · · · · · · · · · · · · · · ·
21	141	Kademangan	/22	
	120	Srengat	128	
22	720	Gandekan	100	
23			90	
24	34	Tulungagung Bojolamgu		
25	45		86	
26	460	Campurdarat	88	
27	46	Besuk	87	
28	50	Kampak	/20	
29	41	Karangan	//2	
30	27a	Bendungan	690	1951~1953
3/	24	Jae jan	425	
32	2/	Besuk	630	
33	78	Kandat	120	
34	107	Wates	225	
35	19	Kediri	62	1969 ~ 1970
36	76	P.G Menang	/82	
37	/3	Tati	67	
_38	16	Sawahan	570	
39	//	Nganjuk	60	
40	64	Kertosono	66	
41	7/	Pare	/58	
12	97	Siman	350	
43	3	Sekar	700	
44	5	Pujon	/200	
45	95	Kandangan	33	1951~1955, 1957
46	32	Jom bang	40	
47	41	Blimbing	70	1966
48	20	Kabuh	28	
44	26	Tapen	50	
50	67	Mojoagung	37	1951~1955, 1957
51	116	Tampung	70	/95/
52	95	Mojokerto	25	
		THE STATE OF THE S		

		¹ 6 .	•			2.5							• • • • • • • • • • • • • • • • • • • •
			As a second	1		. '	•	•					
***	NO	1 (BATU		•						•		
YEAR	JAN,	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	MOV.	pec.	TOTAL
1950	193.	258.	268.	366	147	74,	42,	15.	٥.	45.	78.	282.	1768
1951	379 296	288.	198	15. 97.	9	84.	29.	4. 5	0 3	62.	13. 499.	275. 489.	1284, 2 2262, 3
1952 1953	227	319. 210.	433. 159.	161.	39, 183,	0. 11.	20.	ő.	o.	Ů.	107,	355.	1433,
1954	384	229,	201.	216,	70.	44,	11.	67,	34	128.	481.	343.	2202.
1955 1956	207 280	204.	210. 161.	76. 97.	109 38	62. 80.	218. 46.	19. 37.	71. 7	6C. 114.	320. 170.	288. 248.	1794. 1510.
1957	250	291	490	103	49	2	137,	24	10	25,	66,	321.	1768,
1958	189	245.	3nĕ.	300.	39	81.	66.	41.	34,	28.	105.	506. 417.	1942.
1959 1960	397. 453.	316. 299	238. 301.	107.	118 157	53, 68,	9. 2.	0.	O.	87. 55.	167. 152.	268.	1906.
1961	395	255.	206,	185	114,	0.	٥.	ο.	٥,	Ο.	119.	398.	1672,
1962 1963	548 486	446 257	167. 292.	186. 175.	17. 0	30. 0.	10.	50 0,	0. 11.	27 19	212,	360. 235.	2073. 1488.
1964	28	77.	300	19.	152	37	ö.	21.	72	275	296	159	1436
1965	371.	264.	207.	136.	32.	. 11,	0,	o.	ο,	16.	31.	190.	1258
1966 1967	358 326	257. 200.	315. 136.	110. 119.	92.	o. o.	o. o.	o.	3.	80 53	150. 114.	220. 496.	1582, 1451.
1968	190	246	243.	85.	215.	150,	186.	35	13.	64	234,	247.	1908.
1969	250.	296	349.	37	58	10.	3.	0.	9	73,	131.	311.	1567
1970 1971	258. 375.	268. 357.	366. 199.	147.	74, 164,	42, 17	15.	0. 1.	45 8	78. 116.	282. 201.	173. 253.	1748. 1766.
	-	•						•					
MEAN	311.	264,	243.	134,	85.	39.	36,	15.	12.	65.	179,	312.	1715.
									•				
### Mark D	NO.	2	SINGOSAR								4.00	25.5	
YEAR	JAN.	FEA,	MAR,	APR.	MAY	JUNE	JULY	AUG.	SFp.	oct.	NOV.	nEC.	TOTAL
1950	307. 429.	147, 299,	110.	275.	168.	100,	90.	0.	0.	e.	0. 146.	35. 304.	1238. 1873.
1951 1952	319	357	137, 169,	. 58. 42.	203. 145.	103. 28.	66. 0,	114. 33.	0. 66.	14 82	513.	266,	2020
1953	333	109	161.	148.	184.	19.	59,	0.	0	54.	101.	377.	1555
1954 1955	396. 251.	234, 208,	264. 193.	234. 70.	279. 94.	94. 173.	229.	129. 30.	91. 102.	85. 213.	260. 456.	258. 233.	2350. 2252.
1956	285	196	175	163	65	108	10,	140,	36.	87	291.	316.	1872.
1957 1958	348. 261.	429. 292.	564. 238.	126. 202.	81. 33,	60,	230. 43.	22.	0.	0. 76.	233.	375. 551.	7468. 2109.
1959	372.	247	246.	146.	271.	116,	8,	63. 5.	21.	77	213. 170.	575.	2194.
1960	369,	464,	309	314.	151.	92.	96,	11.	29	132	433.	377.	2727.
1961 1962	412. 650.	280. 416.	217. 187.	238. 250.	142. 116.	126	0, 52,	117,	O.	79.	154. 337.	433. V33.	1876, 3271,
1963	267	215.	201.	79,	14,	14.	0.	0.	13,	n.	52.	245.	1100.
1964 1965	119, 166.	114 194	282. 215.	131. 39.	96. 22.	23. O.	5. 0.	47. 0.	21. 1.	218. 28.	146. 29.	77. 354.	1279. 1048.
1966	191.	286	358,	138	64,	33.	o,	ö.	ē.	90	129	254.	1543
1967	139.	135,	1.58.	180.	9,	a,	0,	0.	0.		189.	293.	1083.
1968 1969	260. 291.	285, 188,	227. 367.	139. 54.	111, 12 ⁹ ,	163. 5.	14. 0.	117.	53. 0.	118. 34.	271. 176.	238. 165.	1946, 1409,
1970	147.	110.	275.	168.	106.	90.	0.	Ö.	ο,	o.	35.	265,	1190.
1971	398,	71.	131,	15r.	150.	Ů,	9.	15.	٠,	15.	187,	404.	1539,
MEAN	305,	243.	2.15.	152.	120.	67,	43,	38.	20.	64.	203,	376.	1816,
***	. NO	3	KAJUTANG	iAN	•	***							
YEAR	JAN.	FEA,	YAR,	APR.	MAY	June	JULY	AUG.	SEP.	OCT.	NOV.	pec.	TOTAL
1950	252,	147.	105.	240.	108. 98.	64,	53.	41.	٥.	43.	82.	108,	1243.
1951 1952	485. 512.	326. 317.	152. 724.	84. 40.	104	176 28	14. 0.	25. 8.	8.	107 143	89. 486.	529. 266.	2093. 2650.
1952 1953	272.	234,	256,	273.	172.	2,	71.	٥.	0.	2.	141.	364.	1787,
1954 1955	447, 427,	430. 183.	171. 212.	251. 59.	241. 95.	102. 171.	8, 112,	94, 31,	39 56	120.	417. 284.	396. 216.	2716. 1912.
1956 1957	244.	203,	170.	60.	22,	75.	66.	51.	٥.	205.	337.	343.	1776.
1957	169,	168 255	525. 190.	127. 251.	63. 105.	114,	130. 91.	30.	10.	4.	90.	411.	1731.
1958	420.	243	265.	80.	245,	53.	8.	70. 6.	70. 0.	7, 104,	111 224	318, 419.	1911. 2067.
1960	197.	581.	194,	193.	69,	100.	47.	0.	٥.	46.	290.	57.	1786.
1961	437. 693.	305. 284.	243. 280.	175. 262.	131,	0, 33,	0, 14,	0. 117,	0. 12.	76.	155. 117.	411. 627.	1857. 2515.
1963	383.	377.	217.	65.	ο.	3	b,	٥.	٥.	0.	38.	309.	1392,
1964	127.	170.	286.	236. 236.	125. 58.	85. 0.	٠.	27.	47,	347.	284.	220.	1956.
1966	192. ' 305.	212, 309,	248, 351.	142,	99.	57	0. 0.	0. 10.	0. 2.	2. 115.	146. 149.	383. 240.	1479. 1779.
	293	271,	254,	201.	59	0.	٥.	۰.	0.	6.	290.	412,	1786.
1967							239.			4.4	4 - 0		
1967 1968	201.	309. 351.	416. 474.	110.	11 ⁷ . 23.	273. 21.	9.	22.	47	16. 34	158	214.	2072
1967	201, 328, 147, 373,	309, 351, 105, 206,	410. 474. 240. 259.	110. 68. 10d. 38.	23, 64, 322,	21, 53, 136,	9. 41. 0.	0 0 25	7, 43, 60,	34. 82. 215.	150	294. 119.	1759. 1110.

1950 1951 1952	118. 373. 560.	261. 317.	165. 165.	271. 65. 116.	243. 47. 78.	119,	40. 0. 3	0. 14. 36.	0. 6. 17.	25.1 100.	56. 15. 424.	311.13 464. 317.	1706 1549 2577
1953 1954 1955	17C 481 351	187. 476. 192.	41.3. 208. 271.	341. 324. 239.	100 209 136	34. 185.	91. 30. 319.	0. 166.	0.	0. 105. 146.	171. 4 508. 323. 254.	511. 518. 270.	1934 3131 2486
1956 1957 1958	250. 280. 246. 350.	302. 270. 347. 381.	168. 451. 195. 266.	150. 162. 230. 100.	73. 148. 232.	130. 9. 44.	105. 70. 188.	37, 21, 36,	0. 12. 24.	27.	57. 243. e	342. 358. 418. 298.	1843 1966 1956
1959 1960 1961 1962	140. 405. 570	320. 286. 139.	245, 232, 378,	177. 234. 165.	52 147 50	72. 0. 53.	69. 0. 16.	0. 0.	0. 0.	0. 0.	199.	178. 439. 504.	154c 1880 2205
1963 1964 1965	267. 165. 156.	192. 192. 260.	456. 290. 208.	174. 174. 150.	69 69	57,	0. 0.	0.	12. 0.	266. 0.	73. 190. 135.	429. 188. 547.	167 161 152
1966 1967 1968	295. 222. 343.	444.	336. 67. 296.	7n. 27. 295.	5U2.	0. 0. 275.	0.	55. 0. 0.	0. 0. 11.	149. 0.	388. 49.	348. 592. 347.	1 62 175 231
1969 1970 1971	305 99 664	308. 378. 230.	472. 271. 445.	153; 244; 27;	165 165 402	26. 40. 0.	0.	0. 0. 0.	0. 25. 31.	15. 56. 180.	194. 311. 537.	370. 297. 430.	178 168 298
MEAN	310.	291.	323,	175.	118,	56,		15.	11.	64,	508.	JAJ,	200
		.	PANNEAL										
YEAR	JAY,	FER,	214.	406. 245.	HAY	JUNE	JULY	AUG. 17.	SEP.	OCT.	NOV	DEC	. 10
1950 1951 1952 1953	421 173 210 310	400. 149. 200. 213.	104. 533. 234.	10. 21. 167.	212, 103, 103, 239,	175. 172. 14.	41. B. U.	34 24 0	24 32 0	17. 13.	71. 131. 581. 247.	483. 114. 297.	136 171 185
1954 1955 1956	404. 275. 323.	349 252 222	169. 150.	297. 174.	261. 113. 34.	147 216	42. 224. 142.	106, 70, 178,	54. 102.	0. 171. 95. 80.	410. 499 142.	290 231 268	200 233 175
1957 1958 1959	192. 270. 298.	267. 253. 170.	525. 427. 184.	110. 120. 40.	73. 121. 424.	34. 25. 94.	131. 71. 36,	12. 39.	0 41 6	. 63 24 50	221. 47. 202	385 453 390	201 190 198
1960 1961 1962	146 403 397	405 295 298	2+6, 177, 202,	211 203 234	203. 123. 23.	5 a U 30	41. 0. 39.	0, 0, 150.	e. 0.	19 0 55	292. 135.	234 362 509	193 169 228
1963 1964 1965	415, 226, 217	419 162 176	159, 165, 256,	17n 104	165	7 66 0	0.	0.	0. 6.	375 0	195. 53.	452. 202. 511.	170 172 132
1966 1967 1968	229 249 359	548 220 228	300 213 404	141 107 115	115 34 252	220	U. 0. 298	0 0 37	0 0 0	H1. 6. 98	146	294 373 399	186 128 256
1969 1970 1971	311. 400. 526,	327 214 297	517. 248. 2^6.	154. 212. 93.	75 123 397	41. 189	7. 17.	0 0 0	0. 41. 0.	71 183	195. 298. 349.	332. 252. 525.	199 191 273
MEAN	307.	276.	203,	147.	142.	71.	56.	30.	10.	74.	224	345.	195
**	• NO	6 FER.	THEPANG						es is				
YEAR 1950 1951	357. 443	378 337	165. 70.	304.	266. 40.	125. 135.	JULY:		SEP. 0. 36	OCT. 54. 44.	74,	. Joo.	70 213 163
1952 1953 1954	394 280 560	494 259 358	440. 424. 267.		138. 331.	0 0 78	29, 0, 132, 12,	11. 0. 29.	12	140 0 97	525. 93.	301	257 213 268
1955 1956 1957	240. 350. 365.	429. 299 414.	2 5. /6. 3 6.	28., 54.	157,	119	243,	86. 108,	146. 41.	132. 151.	243.	512. 341. 513.	292 193 215
1958 1959 1960	246. 268. 265.	128. 539.	414. 3-1. 420.	277.	257. 255. 360.	. 56. 77.	40.	48. 2. 1.	0. 13.	113	102. 199. 284.	487.	237 205 257
1961 1962 1963	473. 598. 379.	294, 199, 384,	225. 364. 228.	25 201, 61.	148,	26.	30.	0.	U. D. 2. 5.	7 * D	261	468. 412. 401.	202 232 156
1964 1965 1966	289 217 570	191. 194. 476.	205. 158. 362.	156. 186.	125.	41	/ - 2 U • · ·	33,		5 . A # A V .	176 173 279	290. 373. 384.	197 133 263
1967 1968 1969	485, 401, 434,	411. 274. 487.	273. 446. 579.	200.	266, 46,	37u. 51.	2 ₀ 5.	D.	50.	42.	208	242.	210 267 216
1970 1971	37A. 430.	195. 195.	270.	26:. 17.	175. 191.	64. 64.	32. 3.	17.	54. 75.	74. 193.	30U. 215.		204 199

	, NO /		PONCOKUSI					1980 Ser			AUV.	4 DEC.	Ţ
YEAR	, JAN.	FER.	NAR.		MAY	,JUNE ॣ	JULY	AUR.	SEP	38.42113	and the second		23
950 A	432.	409, 4	411.	330.	187.	111. 27.	92. 41.	11.	0.	55.	162.	253. \ 437.	18
951	506. 740.	405. 451.	143.	34.	22 55		0.	7	5.50	137.	512.	224.	. 75
1706年記	301.	168	240	316	131.	3.50 G	54	. O.	0.0	0.0	427	304. 465.	169
954	589, •	209.	236	201. 0 255.	148. 170.	75. 64.	329.	69.	50 105.	115.	352	550	27(
1955 ::: 1956 :::	202. 368.	297	212.	75.	2 72	87.	78	85	59	73.	193.	414.	:701
957	411.	486;	314	184.	P6.	24.00	146.	25.	54.	\ 3 L • · ·	118.	593. 541.	232 236
1958	285. 375.	410. 201,	362.	286. 144.	125.	74. 17.	7.00	6.	o.	40.	îio.	612	200
1959 1960	287	301.	325.	300,	316.	201447	16.	9	0.	77.	164	351. 338.	219 194
1961	402	330.	317.	272.	100. 74.	24.	27.	29.	6 0. 7 0.	50.	237. 378.	453	247
L96233	589. 1093.	296, 425,	310.	244	39		0.	0.	0.	0.	ાડ."	302	225
1964	294.	200.	234,	112.	37,	110,	0.	0'	0.		141	310. 430.	191 158
1965	221.	337.	231. 365.	104.	93. PO.	70.	0.	0.2	0.	112.	267.	511.	233
L966	382. 263.	305	192.	80	47.	U.	0.	0,	0.	н,	69.	154	111
968	375.	323.	3:4.	100	242.	242.	178.	16 0	Ĉ.	24. 75.	100.	395 ₆	253
1969 1970	409	396. 401,	7/0. 3/6.	17.	111.	37.	14.	0.	22.	45.	253.	251	214
1971	498	304	3,10	71.	156.	93.	10.	5,	12.	174.	331.	555,	254
HEAN	431.	341,	371.	176	110.	50.	53.	19	15	71.	207.	383.	217
•••		В	TANGKIL		•	••							•
YEAR	JA11.	FEH.	YAR,	AUH.	HAY	JUNE	JULY	AUG,	SEP.	OCT.	, 00	DEC.	71
1950	-10.	482,	242.	364.	157.	160.	53,	22.	U.	100.	58.	319,	20. 25.
1951	457	515.	3.50	33,	77.	241.	5. 0.	20. 2.	48	2H. 177	142.	690 456	35
1957 1953	551. 289.	264	253.	11°. 301.	241	14	71.	0	23.	· .	149.	463.	207
1954: "	525.	455,	278.	405.	324.	77.	143,	98	79	255.	040,	231.	36
1955	530. 276.	301.	257.	169	175,	182.	381. 117.	100.	57. 30.	223. 100.	170.	100	17
1956 1957	473	127, 271,	528.	813	195		210.	25	5	35.	77.	2F2.	21
1958:	392.	328.	2.5	29;	143	54.	94,	62.	. 34. 50.	92.	153. 203.	418. 598.	731 751
1959 1960	337. 1 ⁹ 6.	341.	500.	324	210.	P1. 78.	23.	D	В	59	197	252.	72
1961	482	342,	257	225	176	0.	0.	0	v.	c.	60.	377.	19
1962	526	212.	328.	422	89.	72,	15. 0.	41,	0.	174.	.23. 44.	545. 367.	241
1963.:. 1964.:.	397. 350.	350. 154,	463,	284.	115	77, 2 ⁶ 1.	ů.	0	11.	493	278	364.	25
1965	277	372.	273.	22.	124	D.	0	0	18	0.	21:4	393.	18
1966	266	334,	150	101.	116.		0.	Q.	5. 0.	*5.	276. 46.	337.	16
1967 ::	318. 277.	526. 160.	323.	180	0. 306.	237.	190.	123.	ė,	111.	436	J12.	26
1969	420	247	55H	227.	26	40.	71.	0	46	74.	197.	339.	21
1970 - 1	412	282.	4,:0.	15/	163.	174.	22.	0.	103.	56. 178.	319.	292. 373.	23 23
1971 Mf an	41b.	923. 331.	354.	21	276.	Po.	62.	26	24	104	245	JP#	23
7		,,,,,											
YEAR	■ NO JA'.	q FEA.	HAPPIT Mar.	APH.	PAY	JuNe	JULY	AUG.	Sto.	DCT.	1.0V.	DEC.	T
1950	-10	403.	252.	161.	142	284.	50.	181.	0.	53	79.	161.	· . 17
1951	464	624.	116	56	227	372.	73.	408	4	U.	26.	674	. 32
1 ⁹ 52.	576. 271.	537. 271.	3 ⁴ 0• 278,	61. 33-	427	57.	0. 28,	35	591. U	303. 23,	67.	824. 178.	36 18
1954	คร	779	783	1121	37c	671	170.	55	14	126	389	317.	47
1955	104	210.	233.	192.	103	216.	507	197	25.	356	400.	339.	79
1956	326. 310.	272.	572.	95. 33.	ен, 41,	52.	248. 328.	150. 31.	5. 5.	71.	175. 71.	268. 286.	17
1958	111.	26	320.	7	272	100	111.	114.	76	150	65.	491.	19
1959	235	275.	360.	. 44	108	86	60.	0.	0	7.	98.	560.	18
1960 1961	335. 471.	189. 286.	239.	204.	163.	110.	46, D,	8.	14.	79	213,	396.	18
1962	326	220	520.	365	0	35.	0.	0,	0	71.	240.	417.	21
1963	174.,	235	4,59	10.	. 0	5	0.	0.	0,	0 '	15.	194	11
1964. 1965	134. 307,	206. 305.	358.0 59.0	13:.	1 ⁹⁷ •	1 ⁶ 2.	0.	0.	0	304. L	136.	154. 263.	25 12
1966	270	318	3.10.	200.	74	120	0.	0.	20.	86	340.	363.	20
1967	392	213	76.	R5		ů.	0.	0.	n.	153	65,	512	15
1968 1969	285. 281.	204. 172.	302.	194.	310	273.	258,	55. 0.	6.	177. 54.	₹81. 59.	541. 293.	30
1970	403	252	101,	142,	284	56.	181.	Š.	53,	79	161	271.	20
1971	216.	155	343.	7.	87.	44,	٥.	0.	16	48.	72.	390	13
and the second	11 7 2 4	. / _4_ /									1.0		100
MEAN	292.	293,	297.	235.	147	175,	95,	58,	Jb,	100.	162.	370.	. 22

YEAR	JAH.	FER.	VAR.	. Aup.	PAY	JUNE	/JULY	AUG.	StP.	007.	NOV.	DEC.	TOTAL
1950 1951	-10. 248.	659 301	426.	456. 114.	405. 95.	275. 97.	98.	47.	20. 23.	7.44. D.	148.	262.	1452.
1952 1953	230. 139.	406	255. 217.	24,	25.	14. 39.	35.	80. 2.	3. D.	84. 10.	129	306. 254.	1815. 1326.
1954	297. 290.	213 402	270.	312.	267. 145.	76 213	339.	89. 34.	105.	165. 261.	366.	303.	2469.
1956	248. 329.	127.	176.	17.	97. 38.	108.	179.	110.	25. 0.	77. 29.	155.	302.	1724.
1958 1959	265. 233.	205 515	379.	400. 181.	175. 239.	107. 109.	165. 35.	12.	48.	0.00°	139.	497.	2430. 2476.
1960 1961	306.	176, 207.	330.	214. 237.	142.	. δ Βο. Ο•.	3. O.	.0.	/ O •		122.	450.	1709. 1847.
1962 1963	374.	108. 398.	197. 248.	185.	111.	21.	17.	32. 	0.	114.	138.	554. 221.	1931.
1964	252' 750'	1 ⁷⁶ . 279.	5H7.	129,	111.		25.	0. 0.	111.	449	213,	256. 271.	7322. 1488. 7231.
1966	392. 313.	258	171.	297, 30+,	27.	u u	0.	0. 20.	2.	144, 54,	244 142 340	609.1 462. 609.	1689.
1968	381. 587.	159, 222,	540.	311.	111.	406 33. 96	261, 0, 47,	150. 0.	19. 0. 44.	213. 55. 148.	173	307. 440,	2553. 3363.
1970	223.	426 173	456 388	405. 30.	278 156	100	2.	0.	0.	283.	101.	44.	1450.
MEAN	315,	202,	325.	215,	156,	ду,	73,	27,	19.	100.	178.	374,	2111.
••	• NO	11	KEPANJEN										
YEAR	JAS.	FER.	MAR.	APR.	HAY	JUNE	JULY	AUG. 15.	Stp.	007.	™OV.	DEC. 179.	1194.
1950 1951 1952	-10. 253. 219.	375. 323, 219.	271. 149. 358.	92, 122, 76,	95. 13. 40.	102. 112. 5	36 24 0	7.	0: 19: 15:	0. 198	7 B 4 2 B	237.	1287.
1953	210 320	171. 226.	2n3 157	189	310. 245	0 7•	38 12	131.	7.	284	164	343. 553.	1645, 2790.
1955	330. 365.	336, 211,	201 110	135.	200.	107. 99	487 256	122,	32. 3.	111.	381 153	363. 622.	2887
1957	220	221. 356.	526. 243.	25 ₁	42. 1 ⁵ 1.	130	454	19. 22.	0. 14.	94,	156.	366. 489.	2108. 2324.
1959 1960	254, 204,	387. 1 ⁵ 1.	41B 51,6	160.	284.	72.	.0 59	13.	77.	18. 26.	1 ⁹ 0 457	555. 393.	2466. 2288.
1961	426. 350.	261. 225.	219. 227.	289.	131. 85.	64.	D. 35.	19.	υ. υ.	146.	167. 205.	506. 537.	1999,
1963	116,	252. 141.	466	122.	37.	120.	0.	12,	54.	467.	65. 186. 469.	241. 326 214.	1402, 2049,
1966	332 310	307. 324.	220 361.	302.	53. 16.	0. 45.	0	0. 7. 0.	7. 0. 2.	78. 15.	131	524 354	1857. 2120. 1380.
1967 1968 1969	395.	242, 138, 117,	419 372	175. 200.	332. 42.	233. 124.	157 0	22	55. 0.	114.	314 30	342 333	2721. 1563.
1970 1971	375. 226.	221. 180.	92. 295	95. 4	102.	36. 96.	15.	0.	0. 15.	79. 193.	179. 295	329. 220.	1925. 1784.
HEAN	296.	245.	206.	165.	126.	70.	76.	26.	16.	B V ,	559	374.	2030,
	•• NO	12	KESAMBE	1.									
YEAR	, MAL	FER,	"AP.	APR.	HAY	Junt	JULY	AUG.	Stp.	OCT.	NOV.	nec.	TOTAL
1950 1951	-10, 214,	546.	270. 142.	264. 155.	195. 26.	164.	57, 5,	- 20.	0. 18.	94. 37.	106.	271. 531.	2046. 1784.
1952	437. 173.	457. 287.	244	204.	80. 279.	11.	1, 31,	13,	6, 0,	100.	319. 172.		2605. 1727.
1954 1955 1956	556, 262,	305, 359, 155,	224. 238. 105.	264. 39r. 5e.	257. 263. 146.	24. 115. 78.	18 366, 218	221. 186. 174.	90. 182. 65.	149. 150. 40.	613. 750. 140.	673. 328. 470.	3399. 3597. 1890.
1957 1958	241, 196, 190,	344.	310 318	104 18	24. 143.	104	410	12 28	0. 11.	112.	177	459 431	2038 2251
1959	324. 256.	233. 189.	472. 345.	105 311	258. 302.	71.	30	0.5	29. 13.	7. 25.	214	496 203	2208. 2143.
1961	430 334	162. 280.	110. 202.	227	135.	U. 74.	0. 4.	17	0.	0. 119.	116. 98.	442. 514.	1617.
1964	395. 204.	204.	347	5/. 164,	226.	54	0	. 55	0, 84	15. 451,	1 Ha,	174. 70.	1426, 2015,
1965	466. 231.	255, 412,	190	129. 234.	79.	58.	0	0	0. 5.	171.	183.	131. 746.	1433. 2773.
1967 1968 1969	460, 362,	181, 275	317. 454.	22~, 33°, 175	30, 355, 41,	217. 53.	0. 146, 1.	0 53 12	17.	190.	141. 514.	486. 462.	1853. 3181.
1970	3H3. 6NO. 236.	208. 270. 310.	310. 209. 212.	195	164. 128.	57. 25.	20. 17.	0.	41, 94, 84,	105. 106. 488.	271. 298.	3n5 361 427	2407.
MEAN	331,	297.	296	195.	147.	61.	63.	37	34.	108.	245,	400	2206
$\psi_{i} \cdot \psi_{i}$	1775				9 - N								

YEAR 1950 1951	JAN, 257, 168,	FER. 336. 451.	217. 218.	173	208.	234. 84.	JULY 72. 10.	'AUG. '45. 0.	SEP. 0. 2.	0CT. 16. 0.	00V.	26D. 254.	1904
1952 1953 1954	402 141. 568	339. 246. 212.	309. 221. 167.	110. 283.	124 313 277	0. 9.	-1. 6. 23.	22 0 76	13.	100. 8. 59.	336. 77. 433.	244. 132. 617.	1970. 1263. 2797.
955 1956 1957	221 283 296	277, 163, 306,	173. 144. 3207.	276. 83.	163, 130,	202. 92.	168. 296.	120. 134. 35.	83 32 0	201. 51.	772. 142. 77.	280. 365. 278.	3107. 1787. 1612.
958 959 1960	92 453 232	306. 154. 190.	153. 340. 274.	96. 50.	184. 82 191	39. 60. 20.	58. 15. 23.	41. 0. 6.	7. 10. 69.	30. 0. 0.	171. 120. 110.	338. 408. 333.	1467. 1710. 1626.
1961 1962 1963	368. 306. 327.	313. 283. 101.	213, 213, 414,	193. 75.	106 106	0, 18, 0,	0.	0. 14. 0.	0. 0.	0. 43, 5.	23. 64.	254. 517. 271.	1454. 1641. 1200.
964 1965 1966	187 537 350	148. 282. 370.	406. 533. 450.	217. 121. 132.	49, 14, 13,	36. 14. 68.	0. 0.	20. D. 2,	744 D	589. 0. 13.	338. 174. 307.	256. 805.	2100. 1931. 2510.
1967 1968 1969	424 494 209	280. 278. 181.	302, 278, 201,	132 264 210	291 35	0. 182. 48. 72.	190.	0. 5,	30 17	12. 105. 47. 86.	94 192 119 260	427. 528. 227. 329.	1086 2837 1294 1976
1970 1971 Mean	336. 265.	217. 297. 260.	173, 244, 266,	20H. 124, 145.	204	78, 60,	45. 0. 57.	0 0, 24.	71. 20.	227. 72.	265,	373.	2153
n i pi N	A Table Website												
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YEAR	JAN, -10.	FER.	203.	27D.	MAY 267.	JUNE 255.	OB.	AUG.	SEp,	107.	138,	DEC.	7192.
1951 1952 1953	209 589 125	245. 687. 252.	140. 617. 479.	119 96 369	245 352	107, 0,	3. 72.	61. 4.	0 52	31. 218. 10.	534. 316.	531. 533. 519.	1541 3635 2494
1954 1955 1956	443, 310, 315,	353. 310. 265.	289. 354. 146.	22: 386, 214,	303. 172. 227.	93, 151, 152,	26. 509. 277.	242, 262, 274,	109 92 57	140. 172. 251.	013. 094. 311.	528. 351. 516.	3765 3763 3009
1957 1958 1959	320 335 430 510	263, 263, 342, 338,	344, 341, 381,	23. 190. 184. 272.	104. 34. 409.	12. 72. 76. 93.	410. 272. 26. 40.	33. 65. 11.	36 35 174 10	174. 76.	227. 309. 343. 468.	231. 552. 461.	2047. 2053. 2857.
1960 1961 1962 1963	483, 496, 304,	298. 290. 222.	244, 285, 508,	324, 452, 236,	216 213 68	0 40 4	0. 46.	26, 0, 13,	0	132. 0. 149. 26.	216. 329. 164.	247. 506. 765. 372.	2690. 2283. 2941. 1847.
1964 1965 1966	202 372 293	239. 282. 469.	412. 199. 420.	347 113 409	204 172 98	123. 0. 155.	0. 0. 0.	14. 0. 5.	78 0 4	513. 5.	215, 168, 288	278. 41J. 674.	2620 1674 2955
1967 1968 1969	383 361 403	321. 346. 249.	226. 608. 413.	196. 261. 372.	86 3n6 76	367 45	0. J01.	93. 12.	0 27 47	36. 173. 67.	170. 395. 332.	537. 567. 456.	1959. 3805. 2472.
1970 1971	495. 192.	203, 280,	270, 406,	267. Bo.	255.	60, 57,	23.	0.	107	138. 423.	360. 454.	492. 532.	2684. 2715.
MEAN	360	319.	353,	246,	180.	85 .	95.	53.	42.	136.	336.	476.	2696.
	٠.												
YEAR	• NO JAN,	15 FE8.	SEMEN	A-H.	MAY	JUNE	JULY	AUR.	S£P.	OCT.	HOV.	D⊭c.	TOTAL
1950 1951	-10 386	553. 511.	118. 217.	291. 217.	394 63	170	198. 66.	0. 21.	0.42	83. 24.	205. 72.	245. 821.	2263. 2584.
1952 1953 1954	694. 226. 677.	736. 314. 546.	512. 602. 440.	87. 174. 257.	235 405 345	22. 17. 163.	96. 34.	21. 8. 201.	93. 0. 115.	175. 0. 286.	540. 605.	821. 709. 763.	1939. 3156. 4483.
1955 1956 1957	489, 443, 302,	546, 344, 421,	374, 99, 727,	414. 276. 257.	217. 117. 161.	340 284 0	211.	132, 134, 0,	182, 139, 0,	354. 480. 23.	945. 562. 263.	571. 492. 384.	5139. 3797. 2749.
1958 1959 1960 1961	328 453 690 367	421, 367, 300, 249,	374. 451. 458.	460. 134. 450. 362.	319	124.	26.	0. 38.	51. 11.	260 144 0	520. 211. 778.	679. 290.	3635. 7911. 3490.
1962 1963 1964	600 120 123	175, 80, 431,	67, 277, 328, 301,	50C. 413. 412.	138 357 0	0 9 0 37	0. 0.	0. 0. 0.	0. 0. 0. 304.	17. 36. 15. 852.	415. 170. 138. 219.	401. 456. 683. 264.	2016. 2586. 1777. 3254.
1965 1966 1967	332 460 311	220. 368. 320.	56. 574. 152.	43. 574. 250.	232 74 0	15 0 0	0.	33.	0.	128 108	121. 306. 367.	288. 295. 384.	1307. 2812. 1892.
1968 1969 1970	214. 502. 553.	01, 257, 118,	343, 539, 291,	326. 117. 394.	189 0 176	195. 21. 198.	272, 0,	42. 0. 0.	1 ⁴ 2. 16. 83.	264 36 205	486. 169. 245.	422. 611. 9.	2988. 2268. 2272.
1971 Mean	376, 409,	402. 353,	372. 350.	134. 297.	182. 202,	Ŭ. 84.	0. 97.	7 35	36. 59.	474, 180.	462. 3H2.	527. 488.	2872. 2949.
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YEAR	JAN.	FER.	WLINGI	APR.	YAM	JUNE	JULY	AUG.	SEP.	OCT.	. vov.	DÉC.	TOTAL
1950	217.	311,	216. 175.	176. 187.	207. 52.	21 ⁹ . 122,	89. 66.	30. 20.	49.	.181. 23.	106. 77.	410. 579.	2162.
1951 1952	268. 482. 297.	424. 611. 242.	412.	72. 250.	194 327	18,	31	20	108.	167.	576. 274.	579. 397.	3247. 0 2343. (
1953 1954	326.	257. 312.	286.	276 358	217.	72 20 ⁸	323	155 175	194. 237.	124.	703. 725.	649. 320.	3252.
1955 1956 1957	202. 310. 191.	126, 248,	.148. 404.	101.	166.	181 e	209.	201. 39.	. A3.	252. 16.	313. 197.	445. 363.	2595. 2076.
1958 1959	201 473	248. 428.	269 411	340.	56. 472.	59. 124.	241. 33.	35 0	40.	127.	282. 273.	440. 404.	2321. 2934.
1960 1961	379, 284,	227.	226. 331.	252.	295. 107.	113.	16. 0.	28. 0.	4. 0.	26.	402. 211.	214. 5n6.	2539. 1941,
1962	480. 281.	270. 284.	329. 343.	272	56. 23.	74 0.	48. 0.	, , , , , , , , , , , , , , , , , , ,	0,	99. 21.	114.	568. 243.	2574, 1534, 2393,
1964 1965	111. 398.	182, 460,	341. 202.	358, 205,	132.	147. 24.	0. 2.	0 17	45. 0.	575. 21. 64.	161. 302. 452.	293. 283. 774.	2041, 3363.
1966 1967	297. 441.	525, 201.	682. 270. 254.	363 142 253	58. 60. 196.	131. 0. 275.	0. 0. 301.	0 18	0. 111.	20.	152. 302.	434. 387.	1726. 2950.
1968 1969 1970	342. 407. 311.	282. 123. 216.	236. 176.	187.	75. 219.	76. 84	12. 30.	57, 0	59. 181.	243.	373. 410.	2+1 457	1951. 2402.
1971	203.	237.	343,	115.	153.	79.	23.	0.	161.	389. 136.	479.	276. 419.	2356. 2460.
MEAN	314,	293,	309.	231,	157.	ου,	P6,	37.					
			100010										
YEAR	* NO Jar,	17 FER,	LODUJO →AR.	APR.	HAY	JUNE	JULY	AUG.	SEP.	Ουτ.	HOV.	nec.	TOTAL
1950 1951	-10 153	369. 242.	381.	304	183.	137.	34. 20.	39	0. 13.	65.	12,	184. 438.	1701. 1167.
1952 1953	390. 101	774,	259. 277.	97 5n	112.	16.		3,	0. 0.	171.	421. 119.	431. 191.	2683. 11 ⁹⁶ .
1954	232	210. 259	184.	257.	108	79. 212.	239.	64 95	17. 33,	12.	722.	255. 495.	1734, 3404,
1956 1957	564 236	203,	123. 246.	174. 76.	213.	46.	176. 317.	130.	10.	90. 24. 93.	102. 159.	479 253 386	2305 1780 1778
1958	203 429	40B. 179.	243. 376.	118.	102	34. 86. 56.	68.	26 1 15	22 102 3	12. 50.	135. 81. 271.	452. 255.	1942. 2081
1960 1961 1962	295 313	267. 289. 342.	216. 210. 264.	68. 119. 175.	534 117 89	0. 35.	51. 0. 1.	0	0	0. 34,	55 92	365. 534	1468
1963 1964	430 686 68	351, 203,	491. 321.	186,	1 8	76.	0.	0.	0 36	474	72. 111.	246 295	1995
1965	263 228	424	221. 334.	6b.	26 53	70	0.	0 2	0 72	0. 30.	150. 250.	185. 580.	1339. 2183.
1967	405 149	247. 124.	150. 290.	71.	10 260	252,	67.	0.	0.	130.	246	257. 372.	1155, 1937
1969 1970	250 369	226 381 588	349, 319, 394,	277, 183, 160.	151 137 52	0. 34. 69.	39.	0. 0.	0. 65.	173. n. 230.	203. 1 ⁸⁴ . 275.	233. 399. 179.	1364. 2100. 2240.
1971 MRAN	285. 305.	328,	277.	137.	133	δυ.	47.	18.	16	A1.	180.	339.	1917
YEAR	• NO	18 FER.	GARIIM + AR	APR,	MAY	#•# JUN⊏	JULY	AUG.	Stp.	ОСТ.	NOV.	ĎEC,	TOTAL
1950	-10.	435,	253.	255.	224	340.	57,	100	0. 70.	74.	140.	169.	1961.
1951	33. 557.	501. 556.	220. 496.	41. 101.	146. 91.	144. 10. 10.	36. 1. 9.	100	30.	36. 114. 14.		576. 576. 321.	1910. 2990. 2041.
1953 1954 1955	163, 362. 162.	329 145 243	332. 336. 160.	247. 33ú. 152.	412. 1 ⁸ 1. 154.	10. 21. 118.	5. 217.	99,	0. 61. 120.	121	668. 526.	387. 378.	2710. 2544.
1956 1957	254. 305	144 220	109.	154,	141.							453. 258.	2094. 1910.
1958 1959	266. 297.	220. 423.	346.	234. 69.	220	82. 185.	164. 21. 58.	35. 0.	50. 5.	95. 0. 115. 8. 90. 199. 428. 428.	333. 192.	304. 388.	21 ⁸ 2. 2163.
1960	290. 225.	261. 154.	279. 257.	161. 305,	595	97 2	58. 34.	31, U,	0.	90.	291. 74.	201. 607.	2354. 1805.
1962 1963 1964	276. 472. 185.		431, 109,	263, 201, 237,	0.	91 1 87	0.	40. 0.	7, 0,	179.	139. 49. 125.	730, 164, 197,	2477. 1117. 1994.
1965	311. 352.	137. 323. 425.	417. 254. 436.	140.		11 150	0. D.	0.	0	79	168	247. 564.	1551 2815
1967 1968	372. 419.	282. 506.	223. 757.	259.	355.		0. 235.	0. 11.	10. 10. 13.	20 42	49 97		1491. 3602.
1969 1970	261, 435,	1 ⁹ 1 253	235.	2n3,	340.		4.			1	135.	259. 269. 442. 264. 226.	1571. 2245.
1971 MEAN	244,	554, 304,	413, 314,	186. 277.	170.	05		32	26.	96	219.	226. 364.	2684.
216 67 9	646,	3U=1	9174 7	6774	2741		, no ,	UE.			••••		
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YEAR 950 951	JAN. -10: 426.	FER. 623. 596.	407. 274.	APR. 533. 62.	410. 177.	JUNE 290. 175.	JULY 183. 23.	AUG. 60. 11. 19.	SEP. 0. 38. 16.	95. 17. 54.	204. 204. 56. 170.	DEC. 562. 544. 544.	TOTAL 3367. 2399. 3084.
952 953 954 955	726. 205. 510. 328. 376.	661 329 338 221 277	618, 604, 184, 262, 134,	152. 208. 172. 435.	111. 363, 290, 136, 303,	15. 60. 281. 305.	51. 0. 326. 135.	2. 126, 233, 208,	229. 221. 39.	0. 327. 747. 214.	435 942 597 553	432. 600. 465. 522.	2644. 3780. 4252. 3199.
956 957 958 959	397. 456. 378.	329. 329. 540. 196.	631 322 634 368	729 320 433 365	135, 171, 306, 412,	23, 09, 239, 43,	238. 167. 123.	81, 269, 0, 76,	20. 108. 42.	22. 439. 106. 87.	137, 357, 232, 718,	524. 559. 444. 232.	3016. 3477, 3125,
960 961 962 963	628. 292. 388. 420.	247. 264. 455.	578. 755. 271.	295 508 259 345	77. 297. 96,	0 99 0	0 46 0	0 83 0 113	0. 0. 0. 211.	00. 159. 52. 748.	241 457 466 243	630. 677. 416. 231.	2370 3733 2435 3642
964 965 966 967	351. 472. 389. 311.	374. 416. 497. 274.	462 295 520 220	365. 437. 524.	369, 179, 39, 143,	149	0. 11. 0.	0 9 0	0. 41. 1.	36, 287,	259 206 509	652. 345. 508.	2679. 2930. 2495.
968 969 970 971	123. 353. 623.	246. 233. 407. 223.	414 663 533 249	327. 373. 410. 166.	306, 83, 290, 282,	324 29 183 88	543 6 60	99 13 0	19. 28. 95. 159.	453. 147. 204. 586.	476, 547, 562, 401,	463. 203. 382. 386.	3788, 2758, 3749, 2895,
(EAN	403,	367.	424.	343.	276.	1 119	90.	64,	56,	221.	399,	473.	3158;
•••	• NO	20	BLITAR			••							
YEAR	JAH.	FEB.	ИAR, 181,	APR.	HAY 394.	JUNE 18∪.	JULY	AUG,	SEP.	OCT.	NOV.	DEC. 251.	TOTAL 1873.
951 952 953	142. 129.	310. 810. 234.	132, 301, 309,	50. 123. 107.	169, 173, 362,	225, 15, 25,	84. 12. 8.	0 3 3	22, 0,	217.	5. 448. 126.	370. 413. 292. 379.	1506, 2960, 1607, 2394,
1954 1955 1956 1957	380, 163, 279, 247,	186. 219. 140. 250.	210, 163, 129, 275,	297 262 106 137	175, 171, 88, 30,	77. 100. 103.	3. 234. 159. 317.	86, 117, 113, 33,	57. 108. 84. 0.	79. 159. 96.	465 457 92 157	291. 412. 221	2444, 1801, 1671,
1958 1959 1960 1961	197. 302. 442. 269.	250. 276. 232. 256.	340. 345. 302. 270.	239 92 162 170	102. 172. 432.	50. 151. 77.	104. 16. 85.	9 0 10	21. 72. 0.	49, 5, 113, 5,	201. 140. 238. 48.	297 382 155 435	1859. 1903. 2248. 1531.
1962 1963 1964	426, 311, 131,	199. 271. 182.	237. 255. 316.	224. 270. 215.	49. 0. 264.	88. 1. 130.	13, 0, 0,	21 0 4	0. 0. 45.	141. 5. 409.	226, 5, 135,	291. 159. 163.	1915. 1223. 1996.
1965 1966 1967 1968	376. 258. 335. 335.	380. 361. 377. 254.	184 417 271 306	91. 396. 127. 296.	41. 50. 33. 171.	0. 81. 0. 112.	0. 0. 0. 155.	0 4 0	0. 6. 0. 58.	61. 26. 106.	150, 403, 34, 224,	175. 505. 193. 301.	1397, 2562, 1398, 2400,
1969 1970 1971	210. 364. 137.	166. 181. 416.	126, 388, 310,	244 394 126	72. 180, 199,	31. U. 9d.	0. 0. 46.	0 0 0	53. 39. 11.	24, 76. 240.	125. 251. 261.	277 296 1 ⁴ 1	1328. 2169. 2007.
HEAN	279.	287.	202.	507	154.	71,	57.	18,	24,	86,	195.	294.	1920
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YEAR	• NO JAH.	21 FER.	KADEMANO MAR.	APA.	MAY	June	JULY	AUG.	SEA.	001.	NOV.	DEC.	TOTAL
1950 1951 1952	-10. 148. 321.	359. 392. 798.	264. 276. 257.	320. 13. 110.	284. 46. 121.	24.	0. 7. 10.	2,	150	39, 0, 156,	16 324	259. 373. 375.	1713, 1470, 2494,
1953 1954 1955 1956	206 354 229 286	200. 236. 223. 182.	404, 210, 266, 127,		219. 164. 168. 39.	27.	0. 17. 178. 171. 312.	0	0	1,	68.	133. 326. 285. 348.	1445 2056 2585
1957 1958 1959	176 116 340	271. 271. 234.	306. 392. 345.	. 33, . 137, . 111,	32 102 136	52.	44. 32.	26. 11. 0.	45, 5, 0, 29, 0,	9, 37, 0,	134, 64, 114,	308. 379. 585.	1629, 1521, 1959,
1960 1961 1962 1963	244 229 155 445	392. 160. 368. 218.	171. 153. 233. 268.	171 384, 100	125 155	44,	0, 4, 0,	31	0	156,	118.	268. 260. 390.	1113. 2038.
1964 1965 1966 1967	74,	160. 541. 307. 251.	271.	192.	97 17 0	0. 75.	0. 0.	0, 0, 0,	68 0. 0.	442.	154. 28.	455. 181.	1961. 1517. 1929.
1968 1969 1970	351 137 204	228, 171, 264,	377. 279. 320.	215. 264. 284.	286. 57. 110.	127. 41. 0.		0.	0. 39.	07. 03.	215. 92, 259.	331 280 229	9251 1321 1847
1971 MEAN	365, 253,	311.	292.	207. 187.	109,	46.	4. 39.			124,	285. 149.	175. 317.	1809
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1981 270, 474, 208, 134, 55, 144, 74, 0, 2, 46, 9, 900, 300 1992 311, 563, 562, 1342, 213, 18, 19, 10, 0, 11, 172, 326, 500, 300 1993 311, 563, 562, 1342, 213, 18, 19, 19, 12, 226, 500, 300 1993 311, 563, 562, 1342, 213, 18, 19, 19, 174, 36, 110, 172, 326, 500, 300 1993 312, 563, 562, 142, 144, 145, 174, 364, 174, 364, 174, 376, 184, 184, 184, 184, 184, 184, 184, 184	YEAR	JAN,	FER,	WAR.	APR.	MAY	JUNE	JULY	AUR	SEP,	OCT.	NOV.	DEC.	TOTAL
1960 361, 212, 225, 05, 311, 60, 61, 3, 0, 16, 122, 221, 17, 1961 281, 166, 225, 157, 77, 0, 0, 0, 0, 0, 14, 62, 11, 166, 127, 157, 157, 0, 0, 0, 0, 0, 14, 16, 16, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	1951 1952 1953 1954 1955 1956 1957	270. 311. 158. 478. 338. 167. 142. 268.	474 563, 435, 338, 189, 261, 367, 367,	263. 556. 424. 288. 197. 173. 343. 277.	184, 182, 101, 152, 137, 86, 78, 104,	53. 213. 190. 354. 145. 101. 11. 85.	144 18, 2, 72, 135, 178, 9,	74, 10, 3, 2, 178, 206, 190,	0. 0. 1. 63. 96. 228. 34. 6.	2, 0, 0, 22, 116, 54, 0, 15,	42, 172, 3, 78, 73, 50, 2, 18, 13,	59, 526, 91, 370, 345, 118, 167, 52, 267,	500. 500. 165. 194. 333. 304. 384. 309.	2199. 2014. 3003. 1573. 2361. 2282. 1934. 1727. 1627. 2099.
1971 161, 392, 285, 303, 405, 246, 1U, 0. 0. 34, 51, 379, 247, 231, 1571 161, 392, 242, 15, 133, 112, 2, 0. 12, 170, 276, 133, 150, 184, 299, 310, 297, 156, 146, 6d, 53, 20, 16, 60, 164, 282, 184, 299, 310, 297, 156, 146, 6d, 53, 20, 16, 60, 164, 282, 184, 299, 310, 297, 156, 146, 6d, 53, 20, 16, 60, 164, 282, 184, 299, 310, 297, 355, 435, 699, 205, 2, 0, 0, 26, 30, 225, 24, 1951 95, 107, 64, 74, 37, 54, 19, 0, 0, 0, 0, 19, 206, 6, 1952 279, 237, 266, 67, 69, 0, 0, 0, 0, 79, 215, 206, 16, 1953 71, 234, 320, 219, 44, 0, 0, 0, 0, 79, 215, 206, 14, 1954 250, 264, 145, 187, 254, 20, 2, 66, 6, 22, 332, 235, 17, 1955 342, 150, 171, 209, 42, 117, 159, 39, 78, 78, 78, 118, 159, 18, 159, 161, 278, 178, 179, 179, 39, 78, 78, 78, 178, 178, 178, 178, 178, 1	1960 1961 1962 1963 1964 1965 1966 1967	281. 495. 466. 211. 232. 290. 424. 294.	166. 211. 171. 149. 345. 258. 481.	245. 218. 248. 332. 187. 380. 245. 298.	157, 261, 106, 84, 62, 253, 175, 167,	77. 75. 57. 121. 57. 0. 0.	0. 55. 57. 47. 0. 0.	0. 40. 0. 0. 0. 0.	0. 0. 0. 0. 0. 0.	0. 0. 77. U. 0.	0. 141, 0. 318, 0. 0.	34, 69, 10, 72, 64, 241, 17, 145,	231. 325. 44. 131. 187. 518. 120. 408.	1795, 1191, 1890, 1159, 1542, 1154, 1940, 1502, 2500,
**************************************	1970	292.	383	303,	405	246.	10	0.	0.	34,	51.	329	247,	1622. 2300. 1648.
YEAR JAN, FEB, MAR, APH, HAY JUNE JULY AUG, SEP, OCT, NOV, DEC, T 1950 -10, 470, 355, 435, 695, 205, 2, 0, 0, 26, 30, 225, 24 1951 95, 107, 64, 74, 37, 34, 19, 0, 0, 0, 19, 206, 64 1952 279, 237, 264, 67, 69, 0, 0, 0, 0, 0, 79, 215, 206, 14 1953 71, 234, 320, 219, 64, 0, 0, 0, 0, 0, 79, 215, 206, 14 1953 72, 120, 171, 207, 42, 117, 159, 30, 28, 82, 312, 235, 17 1956 342, 150, 171, 207, 42, 117, 159, 30, 28, 82, 31, 159, 18 1956 177, 196, 156, 77, 28, 60, 146, 153, 10, 29, 144, 255, 13 1957 188, 278, 424, 9, 5, 2, 224, 20, 0, 0, 82, 377, 15 1959 421, 100, 351, 81, 104, 98, 0, 0, 0, 720, 249, 347, 24 1960 394, 222, 412, 143, 353, 12, 41, 14, 2, 16, 193, 125, 19 1962 423, 605, 103, 372, 139, 73, 22, 0, 0, 121, 179, 253, 21 1963 273, 244, 495, 183, 5, 82, 0, 0, 6, 6, 12, 179, 253, 21 1964 678, 470, 470, 284, 66, 5, 0, 0, 0, 0, 0, 0, 0, 26, 11 1962 201, 224, 495, 183, 5, 82, 0, 0, 0, 92, 613, 113, 228, 228, 126 1968 678, 470, 470, 287, 665, 5, 0, 0, 0, 0, 0, 0, 420, 28, 11 1967 485, 405, 605, 385, 605, 385, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	HEAN	299.	310.	297.	156.	146,	64.	53,	50.	16.	60,	164.	282.	1866.
YEAR JAN, FEB, MAR, APR, MAY JUNE JULY AUG, SEP, OCT, NOV, DEC, T 1950 -10, 470, 355, 435, 695, 205, 2, 0, 0, 26, 30, 225, 24 1951 95, 107, 64, 74, 37, 34, 19, 0, 0, 0, 19, 206, 64 1952 279, 237, 264, 67, 69, 0, 0, 0, 0, 0, 79, 215, 206, 14 1953 71, 234, 320, 219, 64, 0, 0, 0, 0, 0, 79, 215, 206, 14 1953 72, 244, 145, 187, 254, 20, 2, 66, 6, 22, 342, 235, 17 1956 342, 150, 171, 209, 42, 117, 159, 39, 28, 82, 311, 159, 18 1956 177, 196, 156, 79, 28, 60, 146, 153, 10, 29, 144, 255, 13 1957 188, 278, 424, 9, 5, 2, 224, 20, 0, 0, 82, 377, 15 1959 421, 106, 351, 81, 104, 98, 0, 0, 0, 720, 249, 347, 248 1960 394, 220, 412, 143, 353, 12, 41, 14, 2, 16, 193, 125 1960 394, 220, 412, 143, 353, 12, 41, 14, 2, 16, 193, 125 1962 423, 605, 133, 322, 139, 73, 22, 0, 0, 121, 170, 253, 21 1963 201, 244, 495, 183, 5, 81, 0, 0, 9, 613, 113, 228, 228, 126 1966 678, 405, 605, 385, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,														
1950 -10, 470, 355, 435, 695, 205, 2. 0, 0. 26, 30, 225, 24 1951 95, 107, 64, 74, 37, 34, 19, 0, 0, 0, 19, 206, 6 1952 270, 237, 246, 67, 69, 0, 0, 0, 0, 0, 79, 215, 206, 64 1953 71, 234, 320, 219, 64, 0, 0, 0, 0, 0, 0, 79, 215, 206, 14 1953 71, 234, 320, 219, 64, 0, 0, 0, 0, 0, 0, 84, 171, 11 1954 250, 264, 145, 167, 254, 20, 2, 66, 6, 6, 22, 332, 235, 17 1955 342, 150, 171, 20v, 42, 117, 159, 39, 28, 82, 311, 159, 18 1956 177, 196, 156, 7v, 28, 60, 146, 153, 10, 29, 144, 255, 13 1957 188, 278, 424, 0, 5, 2, 224, 20, 0, 0, 82, 377, 15 1958 421, 106, 351, 81, 104, 98, 0, 0, 0, 720, 249, 347, 24 1960 394, 220, 412, 144, 353, 12, 41, 14, 2, 16, 193, 125, 19 1961 210, 214, 165, 156, 149, 0, 0, 0, 0, 720, 249, 347, 24 1962 423, 405, 103, 322, 139, 73, 22, 0, 0, 0, 121, 170, 253, 21 1963 384, 250, 254, 84, 9, 44, 0, 0, 0, 0, 121, 170, 253, 21 1964 201, 234, 183, 270, 196, 0, 0, 0, 55, 613, 113, 258, 29 1966 878, 490, 440, 287, 66, 5, 60, 0, 0, 42, 180, 180, 29 1966 878, 490, 440, 287, 66, 5, 60, 0, 0, 42, 180, 140, 34 1967 885, 405, 605, 369, 0, 0, 0, 0, 42, 180, 140, 34 1968 885, 405, 605, 369, 0, 0, 0, 0, 42, 180, 1405, 36 1969 500, 450, 125, 647, 735, 36, 150, 3, 0, 0, 42, 170, 243, 150, 165 1970 470, 355, 435, 699, 205, 22, 0, 0, 20, 30, 25, 269, 269 1970 470, 355, 435, 699, 205, 22, 0, 0, 20, 30, 25, 274, 150, 150 1988 383, 297, 345, 253, 163, 57, 38, 14, 7, 99, 151, 320, 20 ***********************************	VELU	100		1800	* .	ш <u>т</u> .	tee hitte	nili Y	Alic	CHO	OCT	NAV	nec	TOTAL
1952 279, 237, 246, 67, 69, 0, 0, 0, 0, 79, 215, 206, 14 1953 71, 234, 320, 219, 64, 0, 0, 0, 0, 0, 0, 79, 215, 206, 14 1954 250, 264, 145, 187, 254, 20, 2, 66, 6, 22, 332, 235, 17 1955 342, 150, 171, 20v, 42, 117, 159, 39, 28, 82, 311, 159, 18 1956 127, 196, 156, 7v, 28, 60, 146, 153, 10, 29, 144, 255, 13 1957 188, 278, 424, 9, 5, 2, 224, 20, 0, 0, 72, 327, 15 1958 168, 278, 246, 234, 77, 20, 71, 16, 3, 22, 46, 359, 15 1959 421, 106, 351, 81, 104, 99, 0, 0, 0, 720, 249, 347, 24 1960 394, 220, 412, 143, 353, 12, 41, 14, 2, 10, 193, 125, 19 1961 210, 214, 155, 156, 149, 0, 0, 0, 0, 20, 249, 347, 24 1961 210, 214, 153, 156, 149, 0, 0, 0, 0, 121, 170, 253, 21 1963 384, 250, 251, 84, 9, 41, 0, 0, 0, 121, 170, 253, 21 1963 384, 250, 251, 84, 9, 41, 0, 0, 0, 121, 170, 253, 21 1963 384, 250, 251, 84, 9, 41, 0, 0, 0, 5, 613, 113, 258, 22 1966 753, 293, 163, 5, 60, 0, 0, 5, 613, 113, 258, 22 1966 753, 293, 164, 270, 196, 0, 0, 0, 0, 10, 55, 359, 21 1966 78, 490, 40, 281, 60, 5, 0, 0, 0, 12, 170, 1043, 34 1967 845, 405, 605, 385, 0, 0, 0, 0, 0, 10, 55, 359, 21 1968 680, 550, 1225, 642, 735, 36, 150, 3, 175, 330, 1165, 60 1969 580, 425, 280, 826, 116, 75, 0, 0, 0, 20, 30, 225, 20, 197 1971 261, 369, 366, 0, 243, 52, 2, 0, 14, 125, 243, 150, 18 HEAN 383, 297, 345, 253, 163, 57, 38, 14, 7, 99, 151, 320, 20 ***********************************		-10.				4.1	205	5 July 1					225	2443.
1954 250, 264, 145, 187, 254, 20, 2, 66, 6, 22, 332, 235, 17 1955 342, 150, 171, 20v, 42, 117, 159, 39, 28, 82, 311, 159, 18 1956 127, 196, 156, 7, 28, 60, 146, 153, 10, 29, 144, 255, 13 1957 188, 278, 424, 9, 5, 2, 224, 20, 0, 0, 82, 327, 15 1958 168, 278, 246, 284, 77, 20, 71, 16, 3, 22, 46, 359, 15 1959 421, 106, 351, 81, 104, 95, 0, 0, 0, 720, 249, 347, 24 1960 394, 220, 412, 144, 353, 12, 41, 14, 2, 16, 193, 125, 19 1961 210, 214, 165, 156, 149, 0, 0, 0, 0, 0, 0, 264, 11 1962 423, 405, 193, 322, 139, 73, 22, 0, 0, 121, 170, 253, 21 1963 384, 250, 251, 84, 9, 41, 0, 0, 0, 0, 121, 170, 253, 21 1963 384, 250, 251, 84, 9, 41, 0, 0, 0, 121, 170, 253, 21 1964 201, 234, 495, 185, 5, 85, 0, 0, 0, 55, 616, 113, 258, 22 1965 753, 293, 183, 270, 196, 0, 0, 0, 55, 616, 113, 258, 22 1966 878, 490, 490, 280, 60, 5, 385, 0, 0, 0, 0, 0, 420, 180, 1045, 34 1967 845, 405, 605, 385, 0, 0, 0, 0, 0, 0, 420, 180, 1045, 34 1967 885, 405, 605, 385, 0, 0, 0, 0, 0, 0, 420, 260 1968 680, 550, 1225, 642, 735, 560, 150, 3, 0, 165, 60 1969 580, 425, 280, 876, 116, 75, 0, 0, 0, 0, 20, 20, 280, 175, 27 1970 470, 355, 435, 699, 205, 2, 0, 0, 14, 125, 243, 150, 18 HEAN 383, 297, 345, 255, 163, 57, 38, 114, 7, 99, 151, 320, 20 **** NO 24 THLUNGAGUNG **** NO 250, 191, 193, 194, 194, 194, 194, 194, 194, 194, 194	1951 1952	279	107	246	67.	69.	0	0.	0.	0. 0.	79.	215,	206.	655. 1418.
1956 127, 196, 156, 72, 28, 60, 146, 153, 10, 29, 144, 255, 13 1957 188, 278, 424, 9, 5, 2, 224, 20, 0, 0, R2, 327, 15 1958 168, 278, 246, 234, 77, 20, 71, 16, 3, 22, 46, 359, 15 1959 421, 106, 351, 81, 104, 98, 0, 0, 0, 720, 249, 347, 24 1960 374, 220, 412, 143, 353, 12, 41, 14, 2, 16, 193, 125, 19 1961 210, 214, 165, 156, 149, 0, 0, 0, 0, 0, 0, 264, 11 1962 423, 405, 193, 322, 139, 73, 22, 0, 0, 121, 170, 253, 21 1963 384, 250, 291, 84, 9, 41, 0, 0, 0, 0, 0, 11, 170, 253, 21 1964 201, 234, 495, 185, 5, 85, 0, 0, 0, 55, 613, 113, 258, 22 1966 753, 293, 143, 270, 196, 0, 0, 0, 0, 10, 55, 613, 113, 258, 22 1966 878, 490, 440, 286, 60, 5, 0, 0, 0, 0, 0, 12, 170, 359, 21 1968 845, 405, 605, 385, 0, 0, 0, 0, 0, 0, 0, 10, 55, 614 1968 845, 405, 605, 385, 0, 0, 0, 0, 0, 0, 0, 10, 10, 15, 60 1968 680, 550, 1225, 640, 735, 364, 150, 3, 0, 175, 330, 1165, 60 1969 760, 425, 280, 826, 110, 75, 0, 0, 0, 0, 20, 280, 280, 1265, 604 1970 470, 355, 435, 695, 205, 25, 20, 0, 0, 20, 30, 275, 205, 20 **** NO 24 THLUNGAGUNG **** NO 24 THLUNGAGUNG **** YEAR JAN, FEF, *AR, APR, MAY JUVE JULY AUG, SEP, OCT, NUV, DEC, T 1950 -10, 419, 135, 244, 262, 61, 60, 4, 0, 28, V, 226, 14 1951 100, 252, 110, 49, 28, 279, 32, 0, 1, 0, 39, 194, 10 1952 240, 389, 497, 100, 192, 34, 2, 0, 1, 0, 39, 194, 10 1953 316, 307, 331, 160, 72, 3, 4, 3, 0, 0, 0, 44, 139, 11 1954 358, 276, 176, 277, 386, 6, 0, 43, 8, 91, 248, 247, 20 1955 373, 131, 212, 279, 64, 142, 246, 35, 33, 193, 208, 252, 21	1954	250.	264	145	187.	254.	20	2	66,	٥.	82.	3.12	235	1163. 1783. 1809.
1959 421, 106, 351, 81, 104, 95, Q, Q, Q, 720, 249, 347, 24 1960 394, 220, 412, 1445, 355, 12, 41, 14, 2, 10, 193, 125, 19 1961 210, 214, 165, 156, 149, 0, 0, 0, 0, 0, 0, 0, 264, 11 1962 423, 405, 193, 322, 139, 73, 22, 0, 0, 121, 170, 253, 21 1963 384, 250, 291, 84, 9, 41, 0, 0, 0, 0, 6, 8, 125, 11 1964 201, 234, 495, 183, 5, 85, 0, 0, 0, 55, 613, 113, 258, 22 1966 878, 490, 490, 287, 60, 5, 0, 0, 0, 10, 55, 359, 21 1966 878, 490, 490, 287, 60, 5, 0, 0, 0, 42, 180, 1045, 34 1969 580, 425, 280, 827, 110, 75, 0, 0, 0, 0, 42, 180, 1045, 60 1969 580, 425, 280, 827, 110, 75, 0, 0, 0, 0, 20, 280, 175, 330, 1105, 60 1970 470, 355, 455, 692, 205, 2, 0, 0, 0, 0, 20, 243, 150, 18 1971 201, 369, 360, 0, 243, 52, 2, 0, 14, 125, 243, 150, 18 1988 JAN, FEP, *AR, AFR, MAY JUNE JULY AUG. SEP, OCT, NUV, DEC, T 1950 **10, 419, 135, 244, 262, 61, 60, 4, 0, 2e, 9, 226, 14 1951 100, 252, 110, 44, 28, 229, 32, 0, 1, 0, 39, 198, 10 1952 260, 389, 497, 100, 192, 34, 2, 0, 5, 109, 271, 155, 20 1953 110, 307, 331, 160, 72, 3, 4, 3, 0, 0, 44, 139, 11 1954 358, 220, 166, 242, 366, 6, 245, 35, 33, 193, 208, 252, 21 1955 373, 131, 212, 227, 64, 142, 245, 35, 33, 193, 208, 252, 21	1956 1957	127. 188	196 278	156 424	77,	28 5	бij. 2,	146 224	153. 20.	10.	29.	144.	255. 327.	1376.
1961 216 214; 165 156 149 0 0 0 0 0 0 0 0 264. 11 1962 423, 405, 193, 322, 139, 73, 22, 0 0 121, 170, 253, 21 1963 384, 250, 291, 84, 9, 41, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1959	421,	106	351	81.	104,	95,	Q.	e,	0.	720.	249	347,	1562. 2477.
1963 384, 250, 251, 84, 9, 41, 0, 0, 0, 0, 6, 8, 125, 11 1964 201, 234, 495, 183, 5, 85, 0, 0, 0, 55, 613, 113, 258, 22 1965 753, 293, 183, 270, 196, 0, 0, 0, 0, 10, 55, 359, 21 1966 878, 490, 480, 280, 60, 5, 0, 0, 0, 0, 12, 180, 1045, 34 1967 845, 405, 605, 385, 0, 0, 0, 0, 0, 0, 0, 420, 26 1968 080, 550, 1225, 645, 735, 360, 150, 3, 0, 175, 330, 1165, 60 1969 580, 425, 280, 827, 116, 75, 0, 0, 0, 20, 280, 280, 175, 27 1971 201, 369, 366, 0, 243, 52, 2, 0, 14, 125, 243, 150, 16 1970 470, 355, 435, 695, 205, 2, 2, 0, 14, 125, 243, 150, 16 1988 383, 297, 345, 253, 163, 57, 38, 14, 7, 99, 151, 320, 20 ***********************************	1961	216.	214.	1 45	156.	149	0.	0.	ο.	ο,	0.	٥,	264	1925. 1170. 2121.
1966 878, 490, 450, 285, 6C, 5, 0, 0, 0, 82, 180, 1045, 34 1967 845, 405, 605, 385, 0, 0, 0, 0, 0, 0, 0, 0, 420, 26 1968 686, 550, 1225, 645, 735, 56, 150, 3, C, 175, 330, 1165, 60 1969 580, 425, 280, 826, 116, 75, 0, 0, 0, 20, 280, 179, 27 1970 470, 355, 445, 695, 205, 2, 0, 0, 20, 30, 275, 205, 26 1971 261, 369, 366, 6, 243, 52, 2, 0, 14, 125, 243, 150, 18 HEAN 383, 297, 345, 253, 163, 57, 38, 14, 7, 99, 151, 320, 20 *** NO 24 THILUNGAGUNG *** NO 252, 110, 49, 28, 299, 32, 0, 1, 0, 39, 198, 10 1952 260, 389, 497, 100, 192, 34, 2, 0, 1, 0, 39, 198, 10 1953 116, 307, 331, 166, 72, 3, 4, 3, 0, 0, 44, 139, 11 1954 358, 226, 168, 242, 380, 6, 0, 43, 0, 91, 248, 247, 20 1955 373, 131, 212, 279, 64, 142, 246, 35, 33, 193, 208, 252, 21	1 ⁹ 63 1964	384 201	250. 234.	2°1 495	84 185	5	A5.	0 0	0.	5 5 5 5	613.	8. 115.	125. 258	11 ⁹ 2. 2242.
1968	1966	878.	490.	4 " 0 •	285.	60.	5,	0.	0.	0.	92.	110.	1045.	2119. 3470. 2666.
1970 470, 355, 435, 695, 205, 2. 0. 0. 20, 30, 225, 209, 201971 261, 369, 360, 6, 243, 52, 2, 0, 14, 125, 243, 150, 18 HEAN 383, 297, 345, 253, 163, 57, 38, 14, 7, 99, 151, 320, 20 *** NO 24 TULUNGAGUNG YEAR JAN, FEP, *AR, APR, MAY JUNE JULY AUG, SEP, OCT, NUV, DEC, T 1950 ***10, 419, 135, 244, 262, 61, 60, 4, 0, 28, 9, 226, 14, 1951 100, 252, 110, 44, 26, 279, 32, 0, 1, 0, 39, 198, 10, 1952 260, 389, 497, 100, 192, 34, 2, 0, 5, 107, 271, 155, 20, 1953 116, 307, 331, 16n, 72, 3, 4, 3, 0, 0, 44, 139, 11, 1954 358, 226, 168, 242, 380, 6, 0, 0, 43, 8, 91, 248, 247, 20, 1954 358, 226, 168, 242, 380, 6, 0, 0, 43, 8, 91, 248, 247, 20, 1955 373, 131, 212, 279, 64, 142, 246, 35, 83, 193, 208, 252, 21	1968 1969	680. 580.	550.	1225	645.	735.	36. 75.	150.	3,	C.	175.	33D.	1165.	601B. 2771.
YEAR JAN, FER, MAR, AFR, MAY JUNE JULY AUG. SEP. OCT. NUV. DEC. T 1950 MIO. 419, 135, 244, 262, 61, 60, 4, 0, 28, 9, 226, 14 1951 100, 252, 110, 49, 28, 279, 32, 0, 1, 0, 39, 198, 10 1952 260, 389, 497, 100, 192, 34, 2, 0, 5, 109, 271, 155, 20 1953 110, 307, 331, 16n, 72, 3, 4, 3, 0, 0, 44, 139, 11 1954 358, 226, 168, 242, 380, 6, 0, 43, 8, 91, 248, 247, 20 1955 373, 131, 212, 279, 64, 142, 240, 35, 33, 193, 208, 252, 21		47 ₀ , 261,					2.		0.	20.	3n.	275.	209.	2052. 1831.
YEAR JAN, FER, MAR, APR, MAY JUNE JULY AUG. SEP, OCT, NUV. DEC, T 1950 **10, 419, 135, 244, 262, 61, 60, 4, 0, 28, Y, 226, 14 1951 100, 252, 110, 44, 28, 279, 32, 0, 1, 0, 39, 198, 10 1952 260, 389, 497, 100, 192, 34, 2, 0, 5, 109, 271, 155, 20 1953 116, 307, 331, 16n, 72, 3, 4, 3, 0, 0, 44, 139, 11 1954 358, 226, 168, 242, 386, 6, 0, 48, 8, 91, 248, 247, 20 1955 373, 131, 212, 279, 64, 142, 246, 35, 83, 193, 208, 252, 21	MEAN .	383.	297.	345,	253,	163.	57.	38.	14.	7.	99.	151.	320	2094.
YEAR JAN, FER, MAR, AFR, MAY JUNE JULY AUG. SEP, OCT, NUV. DEC. T. 1950 -10, 419, 135, 244, 262, 61, 60, 4, 0, 28, Y, 226, 14, 1951 100, 252, 110, 444, 28, 279, 32, 0, 1, 0, 39, 198, 10, 1952 260, 389, 497, 100, 192, 34, 2, 0, 5, 109, 271, 155, 20, 1953 116, 307, 331, 16n, 72, 3, 4, 3, 0, 0, 44, 139, 11, 1954 358, 226, 168, 242, 380, 6, 0, 43, 8, 91, 248, 247, 20, 1955 373, 131, 212, 279, 64, 142, 249, 35, 33, 193, 204, 252, 21		- NO	24	THE LINE A										
1951 106, 252, 110, 49, 28, 279, 32, 0, 1, 0, 39, 198, 10 1952 260, 389, 497, 100, 192, 34, 2, 0, 5, 109, 271, 155, 20 1953 116, 307, 331, 16n, 72, 3, 4, 3, 0, 0, 44, 139, 11 1954 358, 276, 168, 242, 386, 6, 0, 43, 8, 91, 248, 247, 20 1955 373, 131, 212, 279, 64, 142, 246, 35, 33, 193, 208, 252, 21			FEP.			HAY	JUNE	July	AUR.	SEP.	OCT.	NUV.	nec.	TOTAL
1953 116, 307, 331, 16n, 72, 3, 4, 3, 0, 0, 44, 139, 11 1954 358, 226, 168, 242, 386, 6, 0, 43, 8, 91, 248, 247, 20 1955 373, 131, 212, 279, 64, 142, 246, 35, 33, 193, 208, 252, 21	1951	100	252.	110	44.	28	279.	32.	. 0.	1.	σ.	. 39	198.	1448. 1044.
1955 373, 131, 212, 279, 54, 142, 245, 35, 33, 193, 268, 252, 21	1953 1954	116. 358.	307.	331	16n.	72,	3.	4.	43.	Λ.	n .	44	139	2020. 1187. 2023.
1956 187, 266, 311, 18n, 100, 14, 67, 9, 7, 21, 46, 261, 14 1959 519, 287, 288, 53, 143, 183, 29, 0, 0, 0, 62, 350, 18 1960 300, 164, 342, 10c, 328, 4, 12, 3, 5, 14, 253, 85, 16 1961 274, 152, 89, 165, 136, 0, 0, 0, 0, 0, 8, 213, 10 1962 440, 368, 265, 263, 85, 27, 17, 0, 2, 141, 170, 316, 20 1963 469, 278, 379, 29, 9, 27, 0, 0, 0, 3, 9, 76, 12	1956	198,	151.	. 117.	135.	64	142.	240.	35.	83,	193,	82.	252. 264.	2168. 1400.
1960 300, 164, 342, 10c, 328, 4, 12, 3, 5, 14, 253, 85, 16, 1961 274, 152, 89, 160, 136, 0, 0, 0, 0, 0, 0, 8, 218, 10, 1962 440, 368, 265, 263, 85, 27, 17, 0, 2, 141, 170, 316, 20, 1963 469, 278, 379, 2v, 9, 27, 0, 0, 0, 3, 9, 76, 12	1956	187,	266.	311.	184.	100.	14.	67 29	9.	7.	21. 	46	261.	1376. 1477. 1884.
1762U, 300, 202, 203, 403, 27, 17, U, 2, 141, 170, 316, 20 1963 469, 278, 379, 24, 9, 27, U,	1960	300, 274,	164. 152.	3+2 89	10r. 165.	136.	9.	0	3.	ģ.	14.	253. 8.	85. 213.	1010.
1704 70, //7, 070, 06, 103, 07, U, U, 103, 408, 114, W/ 27		469. 53.		379 0-8	200. 24.	45 9 165	27. 85.	0, 0.	0. 0.	0, 105	368	9.	316. 76. 97.	2094. 1279, 2468.
1963 469, 278, 379, 29, 9, 27, 0, 0, 0, 3, 9, 76, 12 1964 53, 725, 668, 66, 165, 85, 0, 0, 165, 368, 114, 97, 24 1965 358, 186, 149, 63, 47, 0, 0, 0, 0, 7, 158, 9 1966 321, 242, 271, 212, 29, 0, 0, 0, 0, 19, 119, 314, 15	1965 1966	35a. 321.	186. 242.	149 271	212.			Õ.	0	0.	0. 19.	7. 119.	158 314.	970. 1527.
1967 260, 293, 162, 178, 4, U, O, O, O, 25, 4, 148, 11 1968 190, 130, 364, 200, 349, 230, 142, 21, O, 47, 165, 347, 20 1969 240, 248, 163, 184, 63, 14, O, O, O, 99, 52, 253, 13	196B	190.	130.	3.4	200.	349.	240°	0. 142.	21,	0.	25,	105.	3.7	1100. 2080.
1969 240, 163, 189, 63, 14, 0, 0, 0, 99, 52, 253, 13 1970 419, 135, 244, 262, 61, 60, 4, 0, 26, 4, 226, 133, 15	1970 1971	419.	135	244	262 11d,	61.	60.	υ.			108	226.	133.	1321. 1581. 1644.
1//1 164, 200, 2/0, 116, 263, 55, U, U, 21, 105, 210, 20/, 16		275.	264.	2 10	153.	130,	55.	51.	13,	10.	60.	109	211.	7.5
1''' 1''', 2''', 2''', 11'', 2''', 30'', U, U, 21'', 100'', 21'', 10''', 2''', 10'''		070	264	260	15.0	· -			1.12			100	1.7	100

YEAR	NO JA1.	25 FEH	BNYGLANG VAR.	124.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTA
1950 1951 1952 1953 1953 1954 1955 1956 1957 1958 1959 1960 1962 1962 1964	-10, 139, 290, 65, 219, 132, 162, 85, 222, 441, 245, 284, 404, 415, 167,	189 304 124 247 111 272 355 165 165 162 202 139	173. 106. 279. 152. 154. 228. 134. 253. 214. 253. 134. 134. 134. 315.	262. 45. 44. 57. 31n. 15n. 32. 177. 136. 106. 206. 174.	211. 0, 167. 95. 303. 101. 62. 20. 41. 67. 320. 138. 53. 11. 121.	205. 0. 0. 37. 99. 41. 0. 17. 110. 24. U.	20. 0. 0. 6. 18. 200. 167. 386. 5. 5. 11. 0. 0.	0. 0. 0. 55. 26. 138. 37. 10. 0. 6. 0.	0, 33, 0, 0, 7, 32, 12, 5, 3, 0, 0, 0,	13. 0. 50. 40. 43. 150. 55. 0. 65. 0. 55. 0. 55.	34. 24. 312. 58. 282. 206. 118. 75. 151. Ho. 146. 9. 140. 4.	111, 157, 81, 162, 381, 207, 295, 306, 400, 212, 104, 223, 353, 93,	1218. 836. 1535. 2108. 1633. 1491. 1668. 1761. 1483. 1392. 1170. 1596. 1785.
1965 1966 1967 1968 1969 1970 1971	432, 439, 219, 221, 85, 189, 235,	134. 320. 251. 150. 160. 173. 213.	194. 555. 64. 157. 77. 262. 252.	101. 151. 42. 76. 162. 211. 76.	24. 0. 299. 25. 205. 280.	0. 13. 148. 0. 20. 37.	0, 0, 132, 0,	0.	0, 0, 0, 27, 0, 13, 21,	0. 0. 25. 34. 161.	75. 194. 30. 92. 41. 111. 308.	128, 369, 97, 212, 154, 248, 177,	1038, 1934, 723, 1518, 729, 1466, 1787,
MEAN	242,	227.	211.	173.	118.	36,	44,	15.	14,	61.	117.	208.	1414.
	NO NO	26	CAMPURDA	RAT		•							
YEAR 1950 1951 1952	224. 134. 262.	FER. 212. 330. 150.	216, 119, 330,	АНР. 64. 4n. 22.	219. 36. 153.	JUNE 147, 152, 5,	JULY 35. 4. 1.	0, 13, 0,	SEP. 0. 76. 58.	36. 0. 124.	nov. 36. 367.	DEC. 100. 220. 109.	1256, 1168, 1581,
1953 1954 1955 1955 1956 1956 1950 1960 1962 1963 1964 1965 1966 1967 1968 1970 1971	118. 270. 110. 150. 258. 233. 393. 365. 285. 302. 215. 212. 204.	241. 167. 2870. 269. 2277. 299. 233. 373. 153. 169. 169. 286.	210, 1375, 48, 248, 340, 318, 158, 158, 158, 271, 257, 125, 149, 376,	90. 203. 30. 171. 37. 89. 153. 267. 147. 187. 187. 219.	#3. 210. 42. 42. 57. 250. 55. 96. 10. 10. 10. 424. 47. 229.	14. 69. 218. 45. 53. 130. 35. 0. 36. 19. 67. 3. 77. 0. 521.	0. 34. 410. 152. 88. 75. 30. 12. 0. 12. 0. 74. 0.	0. 0. 0. 28 4. 0. 10. 0. 40. 0. 40. 0. 0.	17. 17. 10. 0. 14. 27. 0. 0. 143. 0. 0. 143. 0. 0.	265, 244, 0, 54, 16, 27, 64, 17, 8, 737, 8, 737, 8, 70, 32, 20, 196,	53. 244. 106. 79. 171. 79. 11. 110. 165. 71. 42. 108. 42. 108.	136. 207. 101. 209. 273. 209. 219. 153. 183. 351. 66. 117. 393. 130. 80. 238.	963, 1006, 1200, 1535, 1602, 1495, 1605, 1730, 1737, 2085, 979, 1843, 977, 1755, 703, 1272, 1573,
MEAN	220,	228	214.	104,	114,	60.	65,	13,	22.	74.	119.	179.	1427.
YEAR	• NO	27 FEA.	HESUKI ≅AR.	APR.	MAY.	June		AUG.	e+p.	007	NOV.	De C	1014
1951 1951 1952 1953 1955 1955 1956 1956 1960 1961 1965 1965 1967 1967	JAN. 124. 1529. 442. 227. 138. 358. 358. 358. 362. 903. 384. 2883. 108	110. 244. 223. 256. 129. 3473. 431. 145. 212. 215. 247. 202. 247. 202. 215.	141. 240. 240. 2145. 275. 170. 3417. 160. 3417. 160. 3417. 277. 73. 277. 73.	151. 71. 81. 170. 294. 179. 130. 454. 165. 203. 81. 100.	329. 48. 130. 201. 317. 301. 85. 100. 219. 340. 175. 72. 38. 44. 60. 399.	260. 299. 00. 1	JULY 742. 157. 57. 57. 5532. 796. 10. 00. 437. 05.	15. 54. 24. 28. 28. 27. 35. 93. 55. 97. 97. 97. 93. 97. 97. 98. 98. 98. 98. 98. 98. 98. 98	SE 09.76.157.76.151.7.200.09.384.99.03.99.03.84.99.03.84.99.03.94.99.00.	00T. 58. 14. 526. 75. 6152. 24. 86. 124. 86. 138. 105. 1157. 145. 22.	NOV. 21. 22. 576. 346. 347. 76. 138. 269. 37. 192. 165. 1145. 341.	DEC. 2011. 1903. 1700. 11650. 1650.	T 4544 14547 14587 124387 124387 124387 124387 12427 12427 12427 12729
1970 1971 MEAN	110. 597. 296.	141, 250, 218,	151. 249. 208.	324 87 164	266. 196.	74. 46. 102.	15. 0, 134,	0. 40.	58. 29. 63.	21. 309.	260. 286, 192.	339. 322. 211.	1764, 2371, 1959,
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YEAR	OM WAL	FER.	WAR.	AP4.	SECONDICTOR OFF	Ju∜⊨	JULY	AUT.	SEP.	OCT.	NOV.	DEC.	ं 1
3.736			347.	253.	478	397.	221.	56.	o.	158.	77.	347:	. 25
1950 1951	-10 248	262. 428.	1.2H4.	206.	C 0.37	49	4 63;	35.42 .5 si	147.	42.35	17. 278.	210. 250.	17
1952	481. 92.	209. 323.	195	254	70. 370.	40. 15.	13.	21. 28,	100.	232. 11.	170.	90.	18
1954	326.	222.	154,	197.	456. 127	175. 254.	111	129	195.	155. 347.	385. 398.	302. 156.	28
1955	208 276	152. 389.	219.	200. 67.	126.	91.	259.	175.	35,	- 114.	141.	268.	20
1957 1958	149.	393. 321.	428.	132.	23.	187.	648. 132.	249	31.	254.	31. 143.	213.	28
1959	374,	165	437	135	359.	275.	262.		44,	90. 91,	131.	374. 200.	70 75
1960	315	420.	157.	174. 275.	387. 261.	61. 5.	71, 5,	0.	1.0	- 1 ,	32,	240.	15
1962	387	365. 236.	755.	320. 366.	13.	109	71.	97 G	3. 0.	155. 54,	10.	4n3. 157.	26
1963	527	100.	606	255.	390.	132.	34.	131,	312. 39.	59D.	160.	B1. 213.	29 16
1965. 1966.	487 397	200. 311.	200. 553.	344	111	11. 55,	38,	12,	111	229	280.	352.	25
1967 1968	410. 283	248. 178.	234.	199 204	11. 323.	12, 335.), >60.	0 186	0. 193	191.	150. 330.	140.	33
1949	405,	279.	263.	573.	42	44,	51. 50.	37,	D. 138	70 77	143. 347.	408	19
1970	262. 115.	347. 430.	253. 536.	47e	307 365	221.	57.	ŏ.	113	558.	237,	211.	28
MEAN	309,	285.	316.	235,	214,	139.	169,	67.	73,	154,	100.	248.	23
••	NC NC	20	DJAT1 KA	이 회사되다.		•••							
YEAR	JAH.	FEP.	HAR.	Apq.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	אטע.	DEC.	ī
1950	-10	386.	344,	217.	263	285.	61.	30. 34.	114	102,	43, 14,	159. 252.	18
1951 1952	235 384,	299. 176.	162. 296.	7y. 47.	10	132.	10,	8,	114,	224	361.	133.	17
1958 1954	138 390	269. 202.	304, 100.	197.	198 221	26. 101.	0, 34,	16. 110.	9.	43.	85. 324.	272.	14 20
1955	145,	91. 249	249. 199.	100. 67.	92. 153.	74. 25.	517. 215.	67 55	6.4 26	191	254. 64.	81. 308.	19
1956 1957	119	435.	200	R.	30	2.	344.	47.	0.	0.	102.	256.	17
1958- 1959	186. 341.	297. 297.	297. 511.	94. 13n.	246	151. 216.	126.	124	37	155.	154. 73.	315. 357	71
1960	307	263	253.	224	3ŋ6 125	18 U	22. D.	11.	16	A V	160. 25.	147. 72.	1,8
1962 1962	219 264	245. 312.	233.	165. 314.	85	154,	32.	45	0.	94.	53	364	. 19
1963 1964	132	107.	259. 313.	189.	274	26, 11 ⁴ ,	0. 19.	28.	0, 151.	25. 189	97	128. 111.	12
1965	253.	212,	307.	27.	43	0 43	0.	ο,	. 0	13 146	^7. 200.	182.	10 21
1966	255 346	305. 327.	268. 141.	351. 81.	76. 12.	0.	0, 0,	0.	31. 0.	2.	77,	297	12
1968	210	270. 220	453, 356,	251. 254.	390 67	188, 23,	326. 35.	126.	P6	132 50	130, 66,	299. 175.	28 15
1970	386.	344	217.	263	285, 309,	61,	30. D.	8. 21.	102. 43.	43. · 3n3.	159. 179.	405. 224.	23
1971 Mean	173. 256,	241. 259.	5n4. 278.	161.	148	H2	86.	35.		86.	123.	242.	17
	* .									•			
	• 60	** **	BENDANGY.			***							
YEAR	JA11	FER.	MAR.	AHR.	MAY	JUNE	JULY	AUG.		OUT.	NOV.	DEC.	.1
1950 1951	-10. 327.	518. 274.	502. 253.	217. 185.	372. 23.	369.	42. 74.	260.	45.	128. 28.	10d. 30.	459. 441.	27
1625	335	195	314	.37	∵0.	25	25.	26,	168.	278	750	245.	2.
1953 1954	365 372.	234 303	379. 226.	334,		237	4. 81.	170.	113.	164	988 988	470. 267.	3.
1955 1956	578. 342.	33D 168	270. 127.	487.	256. 346.	310 205	>19. 359.	J38,	274	229. 209	374. 261.	134. 4n3.	31
1957	342,	277	355.	337.	104.	27	731. 184.	- 50	0. 31.	15	238	565. 1003.	30
1958 1959	274. 558.	342. 380.	532. 734.	277.	428,	211,	317,	4.	122.	196.	370. 346.	515.	4(
1960 1961	441.	164	376	376.	366, 18D,	U	13.	00,	38	145	572. 171.	196'. 334:	3.
1962	375.	277	455	445.	2n3:	215.	221.	150.	0.	235.	295.	389	. 3
1904	325, 240,	255. 324.	4A1, 4 ⁵ 1,	56¥,	352.	187	0,	27.	179	52 455	90, 138,	3ns. 279.	3
1965 1966	375. 332.	239	105	429.	56.	0.			0.	0. 58	4/4	457. 535.	1 2
1967	396.	181.	94.6	17r. 23n.	7.0		. U.	. 0.	0. 81.	50.	143	222,	1
1969	452	301. 244.	519	272.	302	10	559 0	76. 48.	0.	. 9.	245	225	31
1970 1971	518, 205,	502. 428.	217. 482.	327. 0,	447.	42. 87.	0.	0.	0. 128. 271.	100	459 1 ¹ 9	344 524	31
MEAN	362,	302.	3-7	307.	273,	138		71.	70.	149,	314.		?
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				i distribui. Viik									
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YEAH	HO.	31 FER.	JAEJAN	APR	HAY	JUNE	JULY	AUG.	SEP.	OCT.	HOV.	DEC.	
1950	. ~10.	459	309.	87n. 179.	346. 23.	286. 356.	160. 61.	61 198	0. 53;	98. 24.	71. 28	408. 554.	26. 25
1951 1952 1953	419 429 468	374. 231. 277.	357. 431.	127.	448,	0. 16	19.	20. 27.	198.	236. 0.	704.	308. 466.	59 59
1954	482. 514.	419. 253.	453. 467.	507. 40#.	339, 324,	215 417	67. 719.	96. 96.	77:	165 457	6H1, 196.	302.	420
1956	331, 629,	227 228	300 931	274,	225,	155. - 46. 29.	241 519	228. 47. 168.	2. 2.	253. 55. 248.	432. 256. 334.	508. 835. 981.	40°
1958	457. 484. 459.	496 453, 281	449.	460. 102. 244.	262. 550.	131	164. 106.	, a ,	60. 17.	52 75	322 421	758. 317.	272
1960 1961 1962	280. 509.	272.	383. 574	212. 374.	146.	0,	0. 75.	11.	0. 3.	41. 208.	70. 218.	612.	3 3
1963	481, 233,	621. 280.	429,	415. 28 1.	33. 494	152	0. 13.	7.	392.	83 <u>1</u>	16. 387.	114. 285.	216 376 208
1965	398. 585.	434, 312,	279. 676. 293.	207. 43.1. 240.	53. 152. 12.	11. 68. U.	0. 0.	0. 11. 0.	53. 0.	7, 286. 17.	233. 285. 92.	512. 745. 443.	357
1967 1968 1969	318. 213. 518.	404. 115. 249.	417	197. 263.	329	100 93	361 0	213.	2. 47.	109 37	375 101	372. 519.	200
1970	459 425	369 374	370 708	346. 448.	288 413	160 54	01.	0. 0.	98. 25.	71. 205	179	351. 389.	321
MEAN	433,	339.	457.	294.	245.	112.	117,	54,	52.	158.	272.	473,	298
in tiplifi Living					y y New y					e de la companya de l			
• •	* NO	32	BHSUKI			••							
YEAR	JAII.	FER,	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	nec.	τ(
1950	-10.	600.	410,	541,	260. 74.	273. 262	B7,	16.	G. Ab.	46. 22.	31. 73.	407. 663.	267 279
1951 1952 1953	455. 424. 378.	377 475 166	313 4 ⁴ 1 443	20#. 11 ⁷ . 435.	124 454	25 56	64. 69.	65 57	139.	245 7	942	656 481	36E
1954 1955	562. 580.	556 225	486 520	40% 307	389 288	1 ⁹ 1. 395,	∧3. 780.	212. 110.	95. 79	354.	500.	381. 481.	42F
1956 1957	264. 682.	380. 302.	200 750	177. 25h.	253. 101.	277. 110.	218 610.	261. 78,	82, 15,	215. 57.	3 ⁹ 4 207	415 609	313 376
1958	679, 471,	679,	717, 719,	561, 384, 483,	359. 391. 383.	110. 164. 74.	224 204 64	207. 11. 66.	52. 103. 44.	298. 50. 115.	299 155 484	673. 1036. 522.	485 425 411
1960 1961 1962	709. 258. 596.	454. 258. 700.	715 317 477	385. 294.	290.	25. 417	0. 66	D.	0	23. 19n.	206	378. >n7.	200
1963 1964	679. 586.	363, 536,	734 435	3nv. 363.	82. 447,	20. 110.	0	0, 283,	0, 572,	987.	7U. 688.	177 239	52
1965	409 154	314. 294.	216. 472.	37a, 336,	120. 95.	0 18.	29	0.	22.	0. 15,	40. 181.	379'. 649.	186
1967 1968 1969	536, 246, 439,	568. 373. 570.	272 535 519	235. 243. 300.	10. 316.	292. 25	179 0	37.	30. 7	74 10	51 270 171	298. 497. 450.	193 309 244
1970 1971	600 597	410. 250.	541. 2 ⁻³ .	26°.	273,	87. 46.	16	0.	46.	31.	407. 286	836. 322.	35) 23
MEAN	491.	432.	475		225.	130.	123.	73,	65.	149.	274	ons.	32
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	• NO	33	KANDAT			•							
YEAR	JAN.	FEH,	MAR.	д нн,	MAY	JUNE	JULY	AUG.	SEP.	DUT.	NOV.	DEC.	7
1950 1951	-10. 304.	440. 239.	118. 235.	349. 6d.	424. 62.	171.	44. B.	0.	0. 15.	7H. 8.	69. 7.	194. 346.	19
1952 . 1 ⁹ 53	281. 168.	297. 330.	275. 353.	64.	120. 221.	23,		19,	29,	165.	147.	273.	17
1954 1955	381. 341.	323. 182.	171, 257, 145,	2n6 145 144	244, 116, 198,	135, 96, 186,	260. 103.	149 157	48. 126. 75.	95 140 64	370, 214, 194,	139 345 288	22 24 20
1956 1957 1958	209, 258, 149,	270. 187. 380.	362.	137	77. 15n	`U. 84.	166.	83. 27. 68.	0. 32.	37. 63.	118.	224,	15
1959 1960	414 284	242. 238.	335 477	94. 11r.	146,	5.	105. 56.	0.	17.	0. 3n.	158. 256.	291. 221.	15
1961	143. 250.	229	317.	292.	51, 133	39.	39.	0 2	0.	11. 84.	132.	081	12
1963 1964 1965	309. 120. 152.	104. 137. 244.	330.	189. 129. 7-	300 62	35.	0. 0. 13.	0.0.0.2.0.16.0	14,	112. C.	77. 91.	113. 123. 182.	12 14 9
1966	258. 145.	377	276.	267	13. 0.	12,	0.	G.	0.	46.	13.	257 188	15 7
1968 1969	445. 373.	327,	6n5. 414.	114. 184.	284,	143,	130,	Ð.	0 15 78	116.	82.	525. 387.	- 30 18
1970 1971	440 229	118.	349, 173,	424. 6d.	233. 291	44 27	, 5 .	U.		102.	273.	265 171	22 15
HEAN	270.	247.	249.	165.	158,	63.	47.	25,	23.		140.	262.	17
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YEAR	JAY.	FEA.	264.	APR.	MAY 203,	JUNE 244.	JULY 31'.	AUG. 14,	SEP.	27.	45.	DEC.	TOTAL:
950 951 952 953 955 956 957 958 959	174. 348. 226. 326. 378. 225. 112. 220. 207. 345. 291.	281. 368. 248. 450. 163. 323. 147. 382. 348.	3H6, 4H7, 409, 299, 259, 210, 6H7, 445, 465, 200,	27. 102. 241. 304. 394. 163. 240. 271. 296. 210.	75, 160, 187, 276, 144, 226, 200, 161, 294, 337,	249, 12, 3, 141, 139, 187, 5, 92, 97, 41,	14, 0, 50, 10, 228, 130, 222, 169, 79, 39,	4, 31, 0, 69, 146, 106, 48, 60, 0, 34,	5. 61. 1. 39. 132. 18. 0. 22. 63.	40. 246. D. 82. 149. 56. 31. 96. 46. 33.	82 245 177 416 350 276 90 175 175	278. 156. 166. 298. 310. 334. 138. 281. 338.	1549, 234, 1830, 2782, 2639, 2097, 2034, 2561, 2584, 1918,
1961 1962 1963 1964 1965 1966	278, 330, 135, 257, 217, 592,	360. 134. 304. 155. 203. 334. 227.	4h1, 327, 361, 391, 210, 448,	185, 440, 97, 125, 235, 343, 387,	74, 142, 71, 392, 102, 121,	5, 51, 35, 120, 3, 27,	0, 26, 0, 15, 0,	0, 16, 0, 26, 0,	0. 13. 0. 43. 0.	38. 63. 30. 232. 0. 220.	96. 155. 85. 86. 112. 32. 28.	340. 290. 184. 178. 212. 256. 295.	1743, 1943, 1499, 1885, 1349, 2014, 1578,
1968 1969 1970	414. 124. 342. 348,	230. 112. 264. 284.	579 476 425 229	235. 364. 201. 115.	1 ⁷⁹ . 0. 2 ⁴⁴ . 2 ³⁴ ,	204 26 31 40	140. 14. 1100.	0. 0.	53. 28. 27. 61.	192. 60. 45. 359.	171. 125. 228. 302.	2°2. 1°0. 311. 168.	9724, 1518, 2134, 2243,
1971 Mean	275,	278.	367.	244.	175,	80.	58,	28	27,	93.	164.	246.	2039.
	• NO	35	KEUIRI	e de la composición del composición de la compos			. /						
YEAR	JA .	FED.	MAR.	APR,	HAY	JUNE	JULY	AUG.	SEP.	OCT	HOV.	DEC.	TOTAL
1950 1951	-10. 288.	392. 404.	170. 138.	350. 117. 144.	235.	83, 121.	19. 120.	0. 0. 35	0. 3. 24.	?. 7e. 83.	18. 27. 281.	190. 271. 246.	1457. 1585. 2190.
1952 1953 1954	441. 305. 257.	339, 238, 456,	492. 364. 219.	265 266	104, 169, 100,	10. 32.		0. 136	34.	52.	41. 285.	414. 284.	1833,
1955 1956	316. 218.	147. 292.	360. 186. 474.	229. 147. 159.	116, 248, 199,	153. 69.	215. 187. 150.	25. 129. 94.	47. 72. 0.	94, 37,	382. 110. 85.	216. 261. 226.	2291 1826 1964
1957 1958 1959	324. 178. 424.	252. 305. 214.	170. 345.	365.	115, 218,	35. 148.	19.	9.	10.	12,	170.	381. 427.	1727, 2218,
1960 1961	413 192	531. 143.	444. 3(19.	172. 282.	273 186	7,	0.	U .	0. 0.	Ü.	168. 110. 181.	129. 185. 218.	2130. 1414. 1522.
1962 1963 1964	432. 444. 222.	180. 375. 144.	274. 378. 368.	279. 141. 195.	36, 8, 136,	٥. ن. 5.	0. 5.	9. 0.	0 40	205	15.	266. 209.	1567
1965 1966	264 225	237, 456.	224. 398.	87. 126.	76. 13.	1>.	o. 0.	0.	0.	0. 13.	166. 4U.	86. 290. 285.	994. 1687. 1222.
1967 1968 1969	293, 184, 508,	270, 337, 344,	278, 210,	187. 272. 323.	0. 203, 0.	266. 10.	0. 144. 13.	0. 2. 0,	0 4 6	ბს. 25.	100.	78 165	1896
1970	372	199. 427,	374. 313.	230 . 104	. H3 379	34.	0.	0.	0.	18,	177.	355. 216.	1840. 2159.
MEAN	315.	304.	297.	. 210.	133,	40.	44,	20.	8,	147.	130.	243.	1793.
			N C										
YEAR	90 ** , 114U	36 FER.	Ч.G.МЕN, ,Р.44	AHR.	, MAY	JUNE	JULY	AUG.	SEP.	not.	MOA.	nec.	TOTAL
1950 1951	-10 271	350. 360.	178. 239.	392.	258. 67.	196. 440.	9, 52,	10.	0 73	38. 55.	141. H7.	268. 369.	1642,
1 ⁹⁵ 2 1953 1954	28 ₁ , 187, 322,	237. 176. 271.	498. 243. 117.	147. 143. 264.	128 105 215	11. 1. 30.	9. 77,	8. 0. 91.	3 3 49	71 0 106	211. 110. 201.	315. 235. 315.	1918. 1372. 2362.
1955 1956	281. 217.	138. 264	535. 39.	251 ·	218 199	92. 117.	2no. 84.	108.	54. 54.	100. 67.	155.	24n. 355.	2310. 1686.
1957 1958 1959	332. 147. 401.	172 236 245	517. 229. 401.	152. 218. 315.	140 42 176	42. 142. 112.	148. 142. 32.	90, 135, 0,	0 0 30	131. 7.	37. 50. 43.	197. 485. 513.	1833. 1957. 2276.
1961	378. 284.	375. 277.	451. 238.	26 227.	326 154	65. 14.	37. 0.	37.	έ. Ο.	9	79.	298.	2294. 1536.
1962 1963 1964	3H3. 290. 119.	150 352, 184.	357. 416. 372.	254, 194, 174.	?2, 62, 218,	4 ()	47. 0.	23. 0. 15.	0. U. 29	15. 23. 207.	255. 216. 214.	240. 368. 258.	1754. 1726. 1800.
1965 1966	219.	178 309	198.	164. 264.	68, 69,	31. 17.	25. 0.	0.	0. 15.	22	35. 60.	315.	1255. 1899.
1967 1969 1969	447. 208. 478.	472. 364. 218.	239. 343. 222.	237. 165. 364.	92. 0.	153. 10.	0, 246, 15,	17. 0.	0. 35.	44. 56, 31.	290. 173.	347. 224. 176.	1849, 2191, 1685,
1976 1971	350 449	176. 424.	392.	255	196 394	148	10.	0.	38.	141. 320.	100.	398. 148.	7240. 7306.
HEAN	298,	267.	308,	215.	148	77,	55,	26,	16.	66.	144	J05.	1918,
		1.5								\$ 			

. 6	NO	37	JATI										TOTAL
YEAR 1950	JAN, -10.	FEH.	355,	340.	108,	JUNE 154,	JULY	AUG. G.	SEP.	0CT.	NOV.	DEC. 90.	1,497.
1951 1952	286. 168	226.	98. 485.	9*. 266.	5 72 143	106. V.	15. 0. 7.	5. D	5 0	12. 58.	211. 58.	157. 330. 382.	928, 1631, 1516,
1953 1954 1955	220. 309. 204.	290. 222. 182.	,159, 279,	240. 18H.	113.	129	1 ⁵ . 95.	88	5. 6.	36. 119.	288 131	301. 135.	1816. 1713.
1956 1957	216 322	257, 217,	140. 250. 428.	91 104 295	130 47 120	1 ⁷⁵ ,	50. 72. 53.	37 48 39	0 0	102. 50.	14,	303. 118. 276.	1645 1197 1852
1958 1959 1960	90. 320. 347.	234, ; 381, ; 219,	260. 247.	270,	178	46.	21.	Ö.	0.	20.	162	263. 179.	1829 1559
1961 1962	158 377 145	191, 303, 278,	128. 184. 178.	214, 163, 132,	106 12 19	14.	2. 0. 0.	0. 4. 8.	0 0	0, 17,	221. 20.	227. 230. 125.	1031, 1525, 901,
1963 1964 1965 1966	160 205	229. 124.	375. 85.	99 61	56 2 42	92.	2°.	0. 0.	36 0	ьс. О.	133. 50,	351. 194.	1640 721
1966 1967 1968	265. 330. 134.	201. 188. 210.	272. 193. 596.	96, 17j, 250,	42 0 139	U.	0. 0. 138	0. 10.	0 0 D	66. N. D.	150. 20. 166.	110. 222. 268.	1510. 1124. 1986.
1969 1970	181	332. 355.	218. 340.	108.	24. 154.	37. 0.	0. 0.	0.	0 16	12.	13. 90.	187. 209.	1700.
1971 MEAN	315. 247.	331, 257.	179. 252.	117. 175,	182.	72.	52. 0.	0, 11.	٥, ئ	188.	159.	165. 233.	1708.
•••	Na	3 R	SAHAHAN			***							
YEAH	JAH.	FEA.	ндВ	APR.	HAY	JUNE	JULY	AUR.	SEP.	nct.	HOV.	DEC.	TOTAL
1950 1951 1952	264. 465. 279.	283, 331, 345,	466. 254. 424.	361 21 v. 43	427, 15, 150	314, 50, 0,	41. 32. 0.	0. 4. 0.	2. 2.	42. 0. 99.	5. ons.	220. 411. 423.	2445. 1822. 2070.
1953 1954	276. 474.	391. 298.	297. 302. 500.	361. 222. 307.	321 323	16, 65, 160,	15. 47.	0 45 20	0 e	37.	77. 383.	326. 166. 299	20A4.
1955 1956 1957	419 281 360	312. 329. 344.	1 ⁹⁵ , 517,	203.	249 95 41	384, 9,	186. 77. 111.	36.	5. U	37. 107.	11V. 131. 75.	364. 339.	2616 2121 2035
1958 1950 1960	342, 506, 648,	585, 679, 604,	570, 341, 452,	334, 201, 366,	301. 171. 311.	11. 105. 3.	88. 69. 26.	31, 0, 0,	7. 0. 10.	Н5. 3.	143. 85. 228.	636, 456, 302,	3133. 2621. 2954.
1 ⁹ 61 1 ⁹ 62	329 627	241. 578.	314. 361.	371, 405.	201. 1 ⁹ 2.	20	0	0 25	O D	0. 25	217	159 597	1659 3041
1963 1964 1965	644 216 344	512, 289, 219,	448. 492. 297.	207. 476. 121.	14, 103, 6,	73, 73,	0. 0.	0, 0,	0 .5 .0	0. 319. 0.	20. 391. 99.	212. 179. 3n4.	2086 2564 1386
1966 1967	561. 527.	345. 606.	250.	333. 270.	42	6 ა.	0.	0.	C.	59. U•	62. 49.	487. 354.	2486. 2105.
1968 1969 1970	365 770 283	217. 459. 466.	729. 425. 341.	30h. 47a. 427.	405, 35, 316,	252. 5, 41.	176. 0. 0.	7. 0.	0 0 42	0. 5.	288. 44. 220.	256. 236. 307.	3001. 2452. 2488.
1971 Mean	398. 420.	611, 411.	463,	276, 291	195,	1 ⁵⁶ ,	0. 40.	0, 11,	ŭ , 6 ,	193.	266.	477. 341.	3042. 2390
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	· 1-0	39	NUL IADN			· .				-			
YEAR	JAN	. FER	· PAR.	, pug	PAY	วบท⊨	JULY	AUG.	SEP.	OCT.	.ov.	DEC.	TOTAL
1950 1951	-10. 325.	206 337	221. 111.	542. 71.	228	108. 95.	9. 8.	0.	0	0.	36.	173. 230.	1494.
1952 1953 1954	266. 318. 270.	302. 378. 293.	4.3. 157. 270.	71. 322.	101 272 133	5. 6. 113.	0. 26, 56,	9, 0,	a. n.	105. 0. 82.	,8°, ,8°, ,616	371. 244. 298.	1834. 1801. 2048.
1955 1956 1957	207. 273. 369.	223. 223. 203.	251. 145. 225.	233. 17. 57.	227 114 53.:	7US. 82	165. 50. 110.	23. 36. 55.	18. 0. 0.	140. 98. G.	129. 122. 42.	168. 238. 249.	1889. 1414. 1363.
1958 1959	159 415	264. 669.	472. 253.	365. 237.	217 430	23,	48. 19.	8.	14, D	95. 0.	81. 141.	318. 323.	2019. 2510.
1 ⁹ 61 1 ⁹ 61 1962	231. 101. 357	224. 373. 232.	367. 145. 266.	275. 247. 175.	155 171 14	34.	21. 5. 0.	0. 0. 10.	3. 0. 0.	15. 0. 5.	236. 47. 240.	110. 547. 166.	1669. 1496, 1501.
1963 1964 1965	140. 131. 109.	303, 181, 42,	324, 426, 47	23v. 11e. 135.	133 147 21	107	0. 0.	0.	25 0	102	22. 142.	273. 239.	1434
1966 1967	175 261	281. 319.	242.	204	24. 12.	71,	0,	.D.	о. С	69. 0.	54. 97. 56.	216. 362. 389.	664, 1346, 1583
1968 1969 1970	160 275 206	125, 279, 221,	445, 141, 542,	185. 134. 27:	193. 15. 108.	52. 0.	155. 0. 0.	22.' 0.	4 0	52. 7.	192, 60, 173,	130. 250. 176.	1663, 1245, 1670,
1971 : MEAN	273	331	209.	101.	254	91. 42.	1. 32.	0. 12.	0. J.	168. 43.	131,	184,	1743
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	NO	40 K	(FRTOSON(•						Calledon Talenda Talenda		
YEAR	JAY,	FER,	FAR	ÁPH,	174,	JUNE 58.	32, JULY	AUG. 27,	SEP.	OCT.	NOV.	DEC.	TOTA 1673,
1950 1951 1952	2 ⁹ 0. 2 ³ 7.	371. 307. 334.	413. 137. 464.	200. 51. 136.	91	59.	53.	11.	3. 75	10.	171.	727.	1659
1953	411. 311.	208 208	195. 77.	195. 177.	211	57.	106.	0. 114,	0. 4.	155.	70. 207.	347. 413.	1787. 1970. 2321.
1955	345. 252. 235.	362. 276. 242.	405. 235. 389.	357. 59. 27.	105 119 80	111. 203. 0.	121. 134. 91.	68. 59. 65.	0. 4.	56. 98.	208. 223. 66.	163. 293. 426.	1951.
1957 1958 1959	117	327 409	408. 202.	261. 174.	250. 149.	32. 14.	35, 63,	42.	40. 0	35	78.	321. 390.	1960. 2023. 1959.
1961	375, 277,	338	505. 129. 104.	366. 211. 421,	247 206 23	31 12 222	0, 2, 33,	20, 23,	0. 0.	26. 0. 17.	81. 124. 190.	52. 79. 316.	1378
1962 1963 1964	267. 87. 101.	211, 334, 178,	448. 582.	251.	232.	5.	15.	0.	9.	159	21. 41.	250. 170.	1432.
1965	252. 174.	248 367 276	200. 320. 134.	81. 167. 100.	25. 58. 2.	23. 10. 0.	1. 0. 0.	0. 0.	0. 0.	154. 5.	86, 111, 55,	287. 250. 315.	1203,
1967 1968 1969	274, 181, 299	321. 202.	371. 378.	117.	112.	149	122.	22. 0.	66	39	51. 84.	188.	1738, 1410,
1970 1971	371.	413. 333.	206. 251.	174.	58. 236.	32, 162,	27. 5.	0.	30. 40.	29. 110.	110.	239. 314.	1689. 2067.
HEAN	269	307	209.	178.	118.	56.	42.	24.	12,	47	102	276.	1731,
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YEAR	JAN.	FER.	WAR.	APR	HAY	JUNE	JULY	AUG,	SEP,	007.	NOV.	PEC.	TOTA
1950 1951	-10. 246.	27B.	201,	364. 36.	174. 22.	30. 251	17 18	13. 6.	0. 59	17. 24.	38. 47.	308. 282.	1440 1510
1952	270. 230.	283. 264.	218. 308.	73. 307.	120. 263.	,75	43.	0. 35.	52, 8,	1 ⁵ 1.	323,	490. 260.	1866
1954 1955 1956	486. 260. 183.	335 165 316	75, 524, 115,	272. 304.	215. 127. 161.	46, 206, 134,	27. 353. 60.	110. 5. 200.	23. 61. 7.	122. 72. 102.	371. 3n2. 124.	232. 215. 233.	2317 2594 1752
1957 1958	316.	270. 296.	426, 258,	221.	73. 157.	1, 135	65. 137.	74. 38.	34. 18.	32 95	115. 123.	150. 441.	1777
1959 1940 1941	402, 315, 293,	262. 553. 143.	307. 452. 173.	85. 103. 124.	332. 431. 130.	92, 51, 25,	75. 36. D.	51. 0.	75. 0,	15 32 79	98. 238. 150.	430. 189. 400.	2136, 2526 1517,
1962 1963	755 298	247. 450	170	357. 173.	13,	70	15. 0. 7.	30. 0.	7.	92 47	128	171. 150.	2034. 1570
1964 1965 1966	169, 285, 166,	121. 278. 556.	471. 173. 292.	149. 5r. 100.	111. 141. 102.	61. 0. 75.	7. 0.	15, Q. O.	29. 20. 0.	239 33 58	133, 33, 99	113. 220. 360.	1637 1241 1808
1967 1968	304 200	420 507	114 317	155. 201	8. 134.	9. 160	185	18.	1 ⁷ 2.	10 12	199	273. 207.	1382 2313
1969 1970 1971	236. 278. 463.	267. 201. 516.	364 362	191. 174. 112.	49, 30, 387,	17 54	37, 13, 24,	0. 0.	17,	88, 35, 165	308 265	211. 244.	1403 1651 2601
MEAN	301,	320.	285.	184,	145.	67,	51.	27.	27,	64.	152.	261.	1902
**	• 40	42	SIMAN		•		•						
YEAR	JAR	FEH.	MAR,	APR.	HAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	тот
1 ⁹⁵⁰ 1 ⁹⁵¹ 1 ⁹⁵²	207. 271. 297.	242. 474. 310.	339 203 238	249, - 39, 78,	95, 23, 127,	88. 264. 37.	88. 19. 0.	19. 7. 36.	48. 61. 54.	146. 27. 173.	335 56 366	273, 297, 517.	2129 1741 2253
1953 1954	253. 620.	284. 341.	3.6. 191.	415. 201.	278, 244,	3. 54.	45.	19.	7. 39.	210.	118.	274. 287.	2014 2710
1955 1956 1957	300. 290. 190.	189. 390. 274.	251. 94. 593.	152. 150. 181.	104. 144. 125.	127, 1 ⁸ 1,	355 63. 77.	155 34	20. 68. 2.	95. 111. 33.	355. 184. 172.	339. 235. 212.	2295 2071 1855
1958 1959 1960	201, 610, 338,	278, 425,	314 494 266	21 h. 120.	130. 304. 206.	163. 104. 32.	137 71 87	26, 0,	21. 64. 31.	165, 11. 38,	78. 136. 251.	375. 478.	2104 2817 2063
1 ⁹ 61 1 ⁹ 62	327, 483,	425, 157, 454,	168.	259. 134. 494,	137. 28,	27. 86.	<u>0</u>	6. 0. 24.	9.	73.	179.	126. 422. 285.	1662 2259
1963 1964 1965	608. 199. 309.	488. 191. 181.	248 551 316	111; 84, R4,	88. 193. 26.	25 50, 0.	0 49 0	39.	0. 28, 0.	466. 19,	20. 170. 139.	3nA 179 232	1904 2210 1306
1966 1967	242, 446,	247. 503.	5/3. 1 ³ 7	93, 24r,	209. 37.	36,	0	0,	7. 10.	167. 16.	123. 50.	303. 92.	2010 1547
1968 1969 1970	249. 183. 346.	503. 250. 207.	453. 359. 301.	176. 123. 124.	239. 47. 209.	84. 7. 24.	212. 12. 18.	0.	1, 0, 24,	105. 50.	166. 160. 94.	276. 163. 208.	2526 1294 1568
1971	489	508.	420	135.	138.	130.	52	2.	19.	349.	276,	335.	2857
HEAN	339.	333.	320.	180,	142.	70,	61,	20,	74,	108,	176.	283.	2054
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1	NO	43	SEKAR									ir i light said Links Victoria	
YEAR	JÀN.	·* FEB∵	MAR.	APR.	HAY	JUNE	JULY	AUG.	SEP.,	OCT.	NOV.	DEC.	
1950	-10.	386,	525.	427.	189.	187.	86.	7.	0.	. 30.	109. 216.	351. 429.	22 21
1951	353. 356.	476	305. 3414.44	117.	11. 50.	100.	94.	2h.	71.50 4.71	115.	3.741.3	348.	24
1953	330.	360.	623.	291. 349.	351	10. 31.	21. 16.	74	17. 73.	128	312.	280. 526.	75 30
1954	565	295. 352.	398. 397.	284.	163.	1111. S	227	. 53	93.	132.	446.	341.	
1956	426. 518.	650. 544.	304. 548.	217. 182.	124. 206.	113.	153.	144.	15.	160. 42.	364, 245,	397. 543.	
1957 1958	392.	313,	446.	326	273	118,	167.	36	12.	183. 55.	160. 227.	518. 750.	29 34
1959	698. 571.	452. 610.	434. 266.	305 455	324. 282.	95,	73, 26,	25.	10.	15.	364.	296.	29
1961	769.	2801	252,	227. 643.	155. 38.	D. 151	2, 45,	0. 51	27. 8.	50. 88	281. 227.	349. 489	24 34
1962	773,	564, 371,	366	81.	24.	3.	.0.	0	∩	135,	96,	335	. 22
1964	218	268	397. 429.	291	249	94.	30.	17	45	331. 19.	216. 85.	232.	23 17
1965	461,	328, 465,	675,	125.	155,	33	21.	5	0.	. 68.	350.	385.	27
1967 1968	738. 392.	604. 417.	252 398	221 329	158. 200.	0. 191.	183,	30.	19	49.	170. 329.	61D. 382.	27 29
1969	346.	384,	353,	195.	42.	13,	7.	8.	9,	111.	2,5	187. 369,	. 18 26
1970	386 607	525, 607,	427	189	187. 323.	86. 89.	7. 30.	04	20.	109. 181.	351, 416,	636	35
MEAN	513,	442.	414,	266.	160.	67,	57.	26,	18.	93.	277,	409.	27
	NO	44	HI)ON										
YEAR	JA11,	FEP.	YAR,	APR,	MAY	JUNE	JULY	AUG.	, 432	OCT.	NOV.	nec.	1
1950	213.	294. 392.	241. 171.	199 48	51. 21.	103. 82.	67.	22	79. 124.	154. 35.	300. 56,	373	21
1951 1952	456.	523.	254,	114.	114.	13.	0.	29.	54,	96.	425	355.	24
1953	172. 556,	257. 242.	210.	131 270	145	15. 54,	26. 51,	111	46	17.	111. 516.	466. 303.	15 27
1955	226	376.	342,	184	151	125.	273.	43	6.	176.	344.	240.	24
1956	303. 221.	404°.	166,	104,	131. 76.	140.	48, 227,	65. 18.	84. D.	176. U.	163,	250. 314.	20
1958	200 493	257. 316.	296.	174 245	56 129	47. 21.	131.	39 7	2	39. 45.	108. 210.	492. 272.	18
1959	358	596.	342.	278	229	P6.	4.	3	2.	59.	%35°	270.	- 24
1961 1962	452. 653.	271. 599.	240. 232.	165,	101. 53.	21. 54.	10. 56.	O. 83	16.	23. 114.	159. 264.	318. 469.	. 17 30
1963	713	407.	200	94	В.	2.	D.	U,	0	105.	65,	214.	20
1964	213. 431.	293. 314.	420. 275.	179.	209. 72.	111.	8. 3.	52, 0,	156	415,	231. 49.	201. 348.	24
1966	205	401,	315,	109.	116,	43,	10.	22,	D .	143.	320.	240.	19
1967. 1968	412 379	262. 429.	234. 354.	182.	177	143.	223.	0.	39	15.	151. 303.	364	27
1969	298.	198,	173.	91.	39. 164	19. 31.	1 ⁵ . 37,	0. 2.	72. 48.	76. 122.	165.	240. 226.	10
1970 1971	295 506	405, 500,	429. 329.	157.	212	110,	10.	30	6	278	181	435	3
MEAN	366.	372,	291.	166.	109.	57.	60.	28,	32,	109.	227,	376.	3
7											îst ::::::::::::::::::::::::::::::::::::		
••	• NO	45	KANBANGA	N									
YEAR	JAN.	FEH.	HAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	
1950 1951	191. 251.	140.	265. 184.	220.	59 22	179. 247.	U. 10.	44.	46	19. 22.	15. 59.	113. 297.	1:
1952	275	288.	216.	79.	120	35.	. 0.	34	41	139	59, 407, 125,	517. 274.	2
1953 1954	234 495	264. 341.	305, 18,	126.	263 103	ა. 82.	37. 4.	105.	5. 65.	1. 109.	401.	00/4	. 2:
1955	277,	240.	137	40.	87.	194. 264	238. 90. 151. 45. 65. 5.	23. 49	30, 18	75. 101	346. 113.	302, 424,	11
1956 1957	330 321	აი1.	1 .	84 85	38	Ů,	151.	95	33.	10	127.	6274	1
1958 1959	222. 410.	205	224.	343.		120. 91.	45. 65.	54, 10.	16.	76. 14.	59. 123.	912,	2
1960	227	487.		137	332 205	53,	5	1,	11,	5	111,	36 422 269 207	\$
1 ⁹ 61 1 ⁹ 62	363 426	146 410		274	130 30	104.	8.	53.	26	81.	244.	269	2
1963	218.	306	243. 402.		18	36.	Q,	Q,	0.	34	25	207. 128.	1
1965	200	211, 1 ⁹ 0,	238,	115. 57.	24. 50.	91 93 25 104 36 59 0 77	28.	28	42 0 0	11	34,	324,	1
1966	107 307	1°0 242 476	433, 195,		50	77,	0,	0.	0.	448	124.	277. 175.	1
	24.3	476. 513.	445	153	19	81 8	168.	15.	16	17 7	เล็ก	271	2
1968 1969	213,	545	338	61	16	o '	0.	ס.				169.	1

YEAR	JAN.	, FER.	UNHANG VAR:	APR.	HAY	JUNE	JULY	'AUG.''	SŁP.	0c7.	NOV.	DEC.	10TAL
1950 1951 1952	-10, 572, 302,	176. 358. 380. 229.	210. 151. 478. 125.	445, B1. 114, 236,	185, 7, 91, 253,	18. 44. 0.	63. 0. 135.	5. 47. 27.	30. 19. 0.	12. 55.	60. 357. 82.	593. 292. 346.	2048. 2115. 1831.
1953 1954 1955 1956	425. 310. 351. 201.	280. 301. 345.	117. 339. 177.	211 180 110	135. 136. 103.	22. 119.	30. 167. 34.	91. 18. 55.	0. 5. 78.	177. 82. 32.	251. 138. 111.	370. 336. 179.	1981. 2075. 1544.
1957 1958 1959	201. 270. 418.	223. 309.	319, 411, 281,	64 1PD. 93,	18. 166. 241.	59 39	105. 90. 28.	38 20. 0.	0. 0.	61. 35.	76, 3. 100,	330. 295. 358.	138D, 1820, 1997,
1960 1961 1962	305. 199. 405.	319. 372. 247.	274. 117. 284.	105 80 449	208, 77, 12,	15. 73.	0. 67.	5. 9	0. 0.	0. 104. 31.	165. 37. 119.	67. 388 241.	1580 969 2157 1493
1963 1964 1965	142. 193. 204.	303. 244. 393.	538, 450, 125, 308,	145. 81. 132.	76. 84. 10. 20.	0. 154. 0. 58.	0. 47. 0.	0. 12. 0.	100.	158, 0. 131.	149.	138. 340. 318.	1810. 1217. 1920.
1966 1967 1968 1969	275. 322. 269. 271.	459. 309. 320. 421.	110. 317. 334.	105. 144 34	18. 158.	176. 176.	0, 244, 0,	0. 52. 0.	0 29 0	21. 0	10. 161. 23.	148 135	1245 1989 1293
1970 1971	176 395	210 395	445 233	185.	18 328	0. 92.	5. 0.	0 D.	0.	0. 59.	101. 80.	181. 282.	1321. 1986.
MEAN	293.	319.	241.	158	109.	41.	47.	16,	12,	44.	105,	268.	1703.
## (HØ	47	HLIMBING	APR.	MAY	שעע. •••	JULY	AUG.	SéP.	oct.	PIOV.	DEC.	TOTAL
YEAR 1950	JAN.	581.	251. 222.	287. 89.	110.	69, 119.	7. 0.	67 61	0 18	48. 8.	25. 53.	69. 552.	1309. 1469.
1951 1952 1953	-10 336 402 329	341. 368. 332.	494, 118,	41. 317. 143.	118 222 129	13. 0. 35.	55 28	4D 0 18	0 0	73. 0. 26.	354. 47. 295.	429. 253. 242.	2274 1741 1480
1954 1955 1956 1957	203 294 301	255. 254. 276.	386. 171. 265.	150. 40.	58 168 88	91. 176.	374, 10, 114,	11 26 41	6 23.	81. 64. 15.	172. 100.	192. 179. 229.	1979 1463 1543
1958 1959 1960	266 284 406	232, 203, 336,	271. 143. 375.	204. 93. 170.	56 271 279	33. 16. 13.	56. 42. 17.	36 0, 12	17 0 2	50. 31. 31.	24. 70. 72.	220. 563. 151.	1464, 1766, 1816,
1961 1962 1963	276. 451 290	273. 175. 367.	79. 154. 400.	201. 43e. 115.	194, 0, 86,	14. 80. 10.	8. 9.	0. 53. 0	0. 0.	3. 17. 5.	52, 94, 18,	239. 224. 221.	1339. 1725. 1512.
1964 1965 1966	89. 147. 256.	163. 180. 368.	328, 59, 275,	105. 43. 91.	151 21 35,	111. 34. 17.	10. 0. 35.	28. 0. 0.	28. 0. 0	129. 0: 200.	119. 22. 60.	176. 214 347.	1437 720 1040
1967 1968 1969	769 213, 199,	435, 401, 323,	148, 225, 474,	176. 117.	12, 250, 10,	120	251. 7.	0. 48. 0.	12	29. 0.	70.	164. 124. 119.	2023 1267 1689
1970 1971 MEAN	381. 411. 315.	251, 538, 299,	282. 297.	110. 5m.	182.	7. 21. 45.	67, 6, 50,	20.	46 23	25. 140. 45.	20. 69. 103.	380. 219. 250.	1998.
	013,		• 70,			7 7.	,,,,						
	• NO .	49	KABUH										
YEAR 1950	JA4.	FEH, 520,	MAR, 209,	427.	MAY 131,	June.	O. JULY	AUG. 0. 44.	e.	OGT.		214.	1753.
1951 1952 1953	271. 341. 184.	206, 263, 162,	278. 395. 241.	52. 85. 4 <u>0</u> 6.	28, 182, 179,	11.	194.	0.	0.	47 85 0	47. 474. 235.	394. 4 ₀ 3.	1422 2158 2006
1954 1955 1956 1957	299. 492. 117. 616.	457. 194. 287. 285.	576. 1rb.	359. 227. 146. 96.	83	36	240.	45, 143,	0,	100	235. 369. 284. 445.	247	3090. 2468. 2466.
1958 1959 1960	394. 463. 360.	405 631, 527	633. 568.	270. 224. 356.	158 329	65 165	240. 30. 118. 198. 42. 0. 28. 0. 103. 0. 0. 107. 0.	68.	0	0. 51. 0.	7J. 86. 190.	515. 417. 335.	
1961 1962 1963	319, 492, 224,	238, 385, 321,	290, 359, 410,	152. 417. 242.	114, 67, 47.	11. 67. 19.	0. 28. 0.	0. 41. 0.	0. 0. 0.	0. 26. 0.	65 165. 8.	279. 293. 415.	1468 2340 1686
1964 1965 1966	352 205 530	216 209 456	452. 251. 404.	127 187 11:	157 2, 47	120 48 55	103. 0. 0.	0.	4 0 0	332. 0. 152.	293. 35. 106.	124 328 88	2305. 1267. 1948.
1967 1968 1969	354, 274, 338,	196 428 313	172. 565.	262. 265. 54.	0, 321, 178,	296 0	197. 0.	0. 0. 0.	0 0	3, 0,	36. 295. 55.	404. 161. 356.	1429 2807 1723
1970 1971	520. 641.	269 339	427. 320.	131. 18 ⁴ ,	75, 537,	505°	0, 0,	0. 0.	0. 0;	117. 195.	214, 251,	163. 520.	1916, 3194,
MEAN	371.	336.	395,	217.	135,	81.	57.	19,	5.	67.	186.	333.	2205.

	73 5 - 10 0 A 46 0	基式超级 加强的		W. KANDAR	V254/574/25	AKCHE ME	025145527 650	SANCTOR OF	New Service	ASSEANCES.	AS ASSESSED	eren Savetren	100 (S. 15
					rio establica Vistoria								
	NO	49	TAPEN										
YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUN.	SEP.	OCT.	NOV.	DEC.	70
1950	-10.	. 382.	567.	481.	105.	40,	٥.,	. 15,	a.	0.	0.	213,	175 151
1951 1952	285. 360	406. 333.	151.	116. 46.	41	95 8	10.	90 22	4	16.	269	321. 321.	186
1953	356.	352.	50,	244.	1/0	0.	63,	43	0.	74.	169. 252.	248. J26.	203
1954 1955	283. 216.	304. 287.	212.	234. 250.	117.	170.	239	30.	2.	119.	249,	100.	215
1956	192.	302.	143. 553.	104	42	245. 124.	85.	24 47	54	68. U.	203.	314. 432.	181 221
1957 😩 1958 🐣	371 372	242. 512.	269.	. 223.	104.	76.	91.	28.	0.	118.	30,	489	231 197
1959 1960	302. 273.	306, 302,	430. 247.	224	214, 0, 56,	82. U.	18. O.	0.	0	20. 0.	143.	313. 287.	150
1961	176	190.	61.	135.	56. 17.	0.	0.		0.	35.	40. 180.	191. 278.	199
1962 1963	479 193	199	343. 324.	331,	33	36	22,	10.	0.	0.	[1] 7. (1)	208.	116
1964	319 422	. 12	377.	32. 123.	1 ⁹ 2	74.	55. 0.	0.	5 0	287.	318.	155. 429.	182
1965 1966	262	206, 302,	261.	109.	71.	. F2	0.	0.	0.	209.	97	189	158
1967 1968	450 248	296	137.	182,	252	130	209,	105	110	124	140. 304.	191	165 249
1969	342	443	234.	11.	. P4	52.	0,	۵.	0	B. O.	213	259. 381.	153 213
1970 1971	382	507 405	481 417	105.	46 540	217	15,	0.	0	69.	227:	328.	270
MEAN	316	310.	312.	164.	105.	72.	40.	19.	ь.	57.	158.	292.	183
	j W.												
454	NO	50	MOJOAGUN			••							
YEAR	JAN,	FEB.	∪ AR	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	٠٥٧.	DEC.	TO
1950	106	300.	215.	347,	46,	100.	0.	35.	0.	ð,	0.	117.	133
1951 1952	610 332	353. 381.	274. 610.	87. 40.	79	0 19	0,	0. 43.	7	107	50. 371.	606. 472.	198
1953	397,	344,	131.	300.	149	υ.	35,	0.	0	0.	49.	278.	.168
1954 1955	383. 350	116. 309.	372.	17H. 251.	97	49 38	21. 150.	90. 30.	15. 45.	105.	226, 241.	165. 265.	159
1956	251 260	262 262	138, 416,	80. 11h.	21	23	12. 29.	46.	68 0	142.	118. Al.	261. 282.	155
1957 1958	324	175.	280.	110.	50.	Pú.	47,	1.	17.	84,	29.	415.	101
1959 1960	512. 265.	477 341	215, 248,	111. 197.	177	12.	28.	0.	10 51	11	223.	439. 110.	102
1961	281	492,	297.	.125.	61	18	. 0.	25.	10.	23,	76.	191.	15F
1962 1963	378. 322.	506. 589.	353. 611.	264, 105,	12. 52.	95. U	.0.	0.	0.	42. 0	5.	352. 274.	195
1964	260 403	174	45 <u>1</u> . 214.	95. 145.	123. 71.	23. 0.	14.	0.	24	1 ⁸ 1	323. 67.	193. 227.	1 P 6
1965 1966	156	349. 344.	424	94.	59	72,	0.	ö,	ŏ.	45	145.	313.	. 10
1967 1968	438, 210,	374. 697.	214. 341.	175. 245.	78.	0. 10 ⁹	134,	100.	Ü.	оñ D	75. 12.	148,	169 217
1969	384,	400.	170.	6	- 89	0	. 0.	0.	0.	- 6	35.	121.	120
1970 1971	300. 451.	215. 322.	226.	199.	106,	0. 125.	35. 0.	0, 0.	3, 0,	147	117. 171.	168. 241.	133
MFAN	338.	354.	305.	154.	77.	42.	23.	19.	12.	48.	118,	275.	176
		100		•		. 4							
						***	•						
	• NO	51	TAMPUNG		. '•		•						
YEAR	JAtra	FER.	WAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	υCT.	NOV.	pec.	T
1950 1951	279. 610.	658 375	559. 198.	366. 30.	195.	ο. 202.	7. 0.	54. 0.	ο.	13. 10.	24. 20.	95. 146.	140
1952	266.	278.	445.	44.	63,	Ü	v.	10.	0.	7u.	355.	321.	16
1953 1954	289. 369.	195. 268.	160. 274.	361. 258.	141. 290.	11,	41.	15. 38.	18.	0. 149	15. 281.	346. 227.	15 23
1955	467.	267	351.	272.	105.	128	289.	15.	ο.	66.	252.	228.	24
1956 1957	242.	352 259	2 ⁴ 2. 355.	2. A.,	50. 3.	270.	12.	30. 60.	33.	100	174.	381. 428.	19
1958 1959	314,	381	275.	107. 22	94.	38 23	64. 30.	6.	٥,	35 4	209 81	312.	18
7890	38A. 272.	448 515	154 452	38.,	171 204,	ο.	. 36.	0.	0.	3	107.	268.	22
1961 1962	486. 426.	392 369	279. 190.	20() 29	60 57	20	0. 76.	0.	0.	8 46	53. 110.	228. 376.	17
1963	349.	392	315,	99,	14.	٥.	٥.	0.	G.	0	6	249.	.14
1964 1965	399. 510.	108. 193	240. 145.	109. 173.	44,	85 U	o. o.	0,	0. e.	240.	259, 39,	113. 326.	15
1966	530,	466	441	125.	60.	6	2.	0,	10.	130.	91.	577.	24
1967 1968	933.	751 616	406.	330. 122.	269.	ე. 15ა	216.	0. 87.	0, 25.	24.	15. 92.	296. 288.	27. 261
1969	404. 656.	409	195. 3-6.	86. 195.	40.	0 7	0. 54.	0.	0.	Û.	н7,	278.	. 14
1970 1971	538.	519 519	364	213.	202. 176.	346	0.	0.	13. 0;	67	95 155	231. 166.	242
				407		63.		·	<u> </u>			1.5	
EAN	470.	399.	317.	187,	104,	. 00.	44,	15,	5.	47,	171.	282,	. 50

i a waxa 🐞 🗷	NO ÷	52	ENDJOKERTO	N/19/14 2244	ga de Nada de la composição de la compos	🛮 🛎 🐞 i San Francisco			tangilandi eti deli ep				
YEAR	JAN.	FEH.	# .F	ACH.	HAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL
1950	352.	339,	443.	481.	107.	285.	0,	20,	0.	0.	0.	200.	2177.
1951	297	382.	153.	24.	18	0.	0.	0.	0.	12.	15.	140.	1072.
1952	295	204.	142.	137. 🧐	69.	12. 👑	3 D 7 O	1. A. B. C.	0.	56, 4	295.	274133	1959.
1953	408	371.	225	273,	93.	24,	67,	. 6,	0.	0	96	277.	1844,
1954	441	214.	220,	1B4.	105	53,	0.	42.		64.15	120.	242.	1699
1955	152	287.	381.	222.	109.	A	139.	19,		, 's_ \$8 , ∂3	46 3 6 6 1 1 15	335, 🦿	- 7045.
1956	157	235.	115.	64,	23,	1º3.	11.	37,	2.	34.	114.	329.	1324.
1957	280	363.	413.	124.	32.	12.	54,	26,	14.	38,	119.	1365.	1840.
1958	425	426	326.	162.	161	70.	104.	12,	5	136	38.	541.	7350.
959	644	340.	444,	245	241	97-451, Se	67		15.	56.	80.	406.	2537.
1960	249	344.	484	213.	23B	. 7.	39.	0.	42.	43	112.	297.	2018,
1961	174	297.	275.	214.	88	0.	0.	0.	0	ð.	12.	254.	1277,
1962	297	361	204	15?.	20.	15.	20,	. 0.	- 3	18.	47.	360.	1505.
1968	214	387	548.	109	17	ο.	٥.	0.	ο,	T .	4.	367.	1040.
1964	468	252.	3-1.	40.	114,	87.	0.	0.	11.	351.	204.	158.	2066.
1965	461	314.	319.	173.	. 0	U	5.		0	0.	9.	182.	1463,
1966	613	643.	587	320.	82	12.	4.	0	D.	21.	26.	113.	2421.
1967	225	257	147		D	0	0.	0.	0.	0	131.	199	999
1968	299	406	258.	15.	199	135	132.	20.	0	13	135.	210.	1969
1969	232	289	130	61.	38		٥,	0.	0	0	10	183.	913.
1970	339	443	4+1.	107.	235	ů.	20.	0.	Ď.	0	200.	108.	2025.
1971	508	488.	5×4.	272.	322	107	D.	0.	0.	33	259,	457.	2795.
MEAN	342,	347.	313,	171.	105,	49	30.	9,	5,	42.	104,	299,	1815.
	and the second	4 4 4	er in the second of the second	2012/09/20	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Selection of the select		1.5.2		era e e	Annah Santaga III	and the second second second	

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3. Basin-Mean Monthly Rainfall

The compiled herein is the basinpmean monthly rainfall during 1951-1971 period calculated by the Tiessen Method for the catchment area of ten gauges and for sub-basins-II to VII. The gauges are Karangkates, Pohgajih, Kaulon, Pakel, Tulungagung, Pakuncen, Jeli, Jongbiru Kertosono and Jabon. The sub-basins are as shown in Fig. 2-1.

EAR	٠٠ الدول	PEAN H	MAR,	APR.	HAY	JUNE	JULY	AUN.	s⊧P.	_,OCT.	NOV.	, nec.	TUTAL
51 52	362.3 440.7 247.9	395.0 402.9 205.8	160.3 426.8 252.1	65.2 64.0 243.6	80.9 84.9 231.0	138.2 13.5 8.1	34.2 0. 56.5	70.1 25.7 1.1	12.6 91.7 2.3	12.4 143.n 8.9	77.9 479.8 128.6	428.6 374.n 323.6	1657.7 2547.0 1709.5
3 4 5	400.9 275.5	348.1	296.5 240.5	351.1	229.8 135.9	142.5	56.7 327.4	96.5 75.2	49.8 65.2	148,5	447,4 387.9	262.6	2092.2
6	304,8	718,9	447.D	116.2	78.0 70.9	116.N	150.1 222.8	23,7	22.7	100.1 13.n	194.8	341.8	1847.9 2018.9
8 9	242,7 325,5	272,0	311,7	120.2	125.0 230.4	72.2 76.6	98.4 10.4	0.9	43.7 11.3 7.2	60,5 43,5 60,5	120.6 169.9 251.2	479.7 518.7 263.6	2142.6 2138.8 2040.3
0	281,1 421.0	310.1 289.0 277.0	323.1 235.2 289.5	226.2 231.0 268.6	199,2 135,2 61,2	n.3 4n.3	03.9 0.3 21.5	0. 44.8	0.3 1.5	n.4 81.7	149.4	406.0 513.2	1808.1 2333.1
3	494.7 444.3 174.7	319.4 164.8	340.6	121.8	12.7 111.8	8 n	0.9	0. 10.5	2,3 37,8	6.6 381,5	38.2 208.7	301.9 226.4	1574.5 1975.0
5	286,3 321,6	273.H 347.0	70H.1	134.A 172.1	57.6 70.7	1.9 43.8	7.5 0.3	3,2	2.2	5.4 104.4	151.2 211.4	340 · n 397 · 1	1463.8 1996.2
7 . 8	305.9 316.2	278.7	173.4	133.1	269.6	243.4	194,5	54.9	18.7	35.2 97.9	135.7	404.1 378.2	1490.2 2632.0
0 0	369.4	265.0 282.4	486.1 289.7 317.8	197.4	59.0 154.3 197.3	36 n 60 4 76 4	4 . 3 4 n . 7	0.1	7.6 38.4 16.0	58,3 75,4 158,8	123.8 244.2 242.4	296.0 273.4 362.0	1872.1 2010.6 2056.7
1 . N	383.5	232.8 267.8	298.5	60.2 173.0	124.7	67.9	5 · 1 59 · 5	414 27.5	20.9	84.2	207.3	766.9	2055,7
							i de la companya de La companya de la co						
AR	MIZAH *: JAN.	HEAN R	MAR,	POHGA.	нау:	JUNE	JULY	AUG.	séP.	ост.	NOV.	DEC.	TOTAL
1	373.2	368,3	160.4	6R.R	76.5	136.3	32.8	65.9	13.1	12.2	74,4	423.3	1825.2
2	435.6 243.6	400.5	429.5	66.fl. 244.6	86.2 235.7	12.7	0.1 26.3	26.9	86.9	146.4	476.1 134.0	370.1	2539.0 1724.6
5	399.5 279.1	344,3	290.2	341.7 204.1	231.8	137.5	53,9 337,7	101.7 80.5	50.6 64.9	153.6 169.0	461.9 394.0	435.7 287.0	3001,9 2639,2
6 7 8	307.0 305.4 244.3	222.3 313.5 277.0	137,6 449,2 310.7	94.1 113.8 240.9	84.3 70.3 124.5	116.2 12.5 95.0	138.2 235.2 102.4	112.6 23.7 20.4	22,5 4,2 42.1	103.6 12.3 64.n	195.9 114.6 127.4	357.2 367.4 481.0	1 ⁸⁹ 1.5 2022.1 2159.7
9 0	325.0 281.3	302.3 304.0	334.5 331.4	123.n 226.9	211.3 199.8	73.9 76.8	18.6 35.4	1.n 6.2	16.2 7.0	43 m.	165.0 263.8	517.2 267.8	2131.0 2000.4
1 2	422.4 489,2	287.8 274.0	234.5 287.5	235.3	136.8 62.2	0.3 41.6	0 2 22 5	0. 42.6	0,2 1,4	0.4 85.7	151.3	412.6 519.3	1881 B 2343 4
3	431,7 172,9	314,1 165,6	331,4	128.9	12.0 110.5	7,5 103.3	n. n.8	0. 10.7	7.1 39,7	7.0 9.088	207.9	701.7	1573.5 1968.8
6	295,4 321,2	275,2 349,6	708.5 325.6	153.3	58,9 69,1	1.7 45.7	2.3 0.2	0, 3,4	3.1	5.1 104.5	104.6	337.6 408.3	1484.9 2021.2
7 .A .9	307,1 320,7 368,4	279.3 240.1 258.9	172.9 369.7 479.5	135.3 215.7 170.8	23,9 272,6 58,2	0 245 7 39 7	η. 194,6 4.Π	0+ 54+n 0+4	n.3 2n.3 ∴A.n	34 • 1 99 • 7 57 • 1	138.8 245.8 124.0	406.6 379.3 301.4	1498.3 2658.2 1870.4
0	360.9 375.4	279,2	281.0 320.0	190.4 59.6	154.3 198.9	59.4 75.8	38,6 5,4	0.	38.2 18.2	76.7	244.6	280.5 360.4	2003.8
N	336,1	266.4	300.1	174.3	124.6	6P.ŋ	bn.9	27.0	21.1	85.5	210.9	370.2	2066.0
										. `			
				• •				- • .		* *****	· ·		
* *	- BASIN	MEAN H	LIGFALL		v G.S.	· .	,		***		· · · · · · · · · · · · · · · · · · ·		
AR	JA' .	FED.	FAR.	Vota*	", MAY,	สูเพะ	JULY		SEP.	OCT.	NOV.	ր≞ը.	TOTAL
1 2	349.6 445.2	394,7 420.6	104.5	76.7 74.2	68.1 97.6	131 · 1 11 · 5	პ ი " 5 . ი "5	56.9 27.1	14,5 78,7	13.6 145.8	67.9 469.0	433.1 387.9	1801.2 2590.7
3 4	230.6 420.2	215.0 339.6	272.0 264.8	240.2 329.1	249.7 239.4	7,6 126.3	49.2	1.5	7.1 56.2	150,4	150.1	333.4 468.3	1765.0 3064.1
5 6	281.2 307.4	397.6 220.7	136.3	227.4	148 8 96 1	145.6 118.6	349,5 153,3	124.3	75.1 28.6	173.7 112.9	452.5 203.6	297.7 372.0	2801.9 1975.5
7 B 9	300.1 239.7 339.6	314.5 263.8 296.0	434,6 305,7 345,2	110.9 235.n 122.1	69.8 122.4 214.7	11.7 91.1 72.5	252.7 108.8 18.3	23,7 50,2 1.3	4.9 39,5 22.1	11.1 73.2 43.0	123.5 153.8	477 n	2019.7
0	296.2 420.2	294,4 283,1	332 B 226 1	236,3		77.7 n.3	34,4	7.A	10,3	57.2 0.9	161.5 277.2 151.9		2172,9 2101,0 1868,4
2 3	477.0 414.5	274,0	200.5 342.0	277.n	70.0 11.2	41.6	21.3	37.9	1.2 1.8	86.2	227.7 53.6		2321.6 1506.7
5	174.n 318.p	172,8 275.9	219,8	- 221.7 130.3	120.0 64.0	97.9 2.5	0.7 2.0	12.8	48,2	414,0	213.6	220.4 326.1	2047.7 1511.4
6 7 8	323,7	359 H 277,4	350,3 187,1	143.4	26.0	51.1 0.	0.2	4.3 0.	0.3	104.1	142.2	451.6 415.2	2137.4 1548.8
9	329,4 365,3 378,0	244.2 251.8 269.9	378,6. 455,8 274,8	226.3 179.4 198.5	275.6 56.4 163.1	245.2 40.2 63.2	1 ⁹⁸ ,3 3,5 36,6	52.4 1.7	23,9 11,8	110.7 60.4 65.2	257.0 132.7	395.2 309.4	4 RAR A
1	355,4	245.3	319,1	66.2	194.2	71.6	5,6	3.7	44.1 28.6	500°U 89°S	252.2	372.1	2053.9 2129.4
N	337.4	287.3	102.2	179.2	128.8	67.3	65.8	29.2	23,7	7,09	221.8	377.A	2107.7

YEAR	A. JAN.	FEA!	HAR.	APR.	A MAY	JUNE	JULY	AUR,	SEP.	OCT,	NOV,	nec.	TUTA
	480.9	401.6	173.6	79.3	70.8	131.9	34,3	46.1	22.2	14.7	64.4	451.0	1970,
51	451.7	477.5	428.2	81.7	108.9	12,4	2.0	25.6	66.9	146.7	457.7	416.1	2674:
52		231 6	3.0.4	225.2	262.1	7 7 8 3 5	97.0	1.6	11.9	8 n	168.5	330.2	1810,
753	221.3 421.1	326 R	279.9	315.9	237,6	111.5	41.0	110.5	01.0	144.0	402.3	460.9	2972
154	286 9	300.9	252.5	739.9	153.3	157.2	332 B	. 99.0	85,8	188.1	481.3	318.0	2895
755	314.5	223	136.9	114.0	105.5	126.6	101.9	131.4	34.4	125,0	216.0	383,7	2073
56	200.8	317.9	429.2	125.5	70.7	10.7	260.5	20.7	4.7	11.7	135.0	357.6	2041
57	243 3	291 7	300 1	237.2	119,2	83.5	-115,9	51.1	40.0	87.7	171.4	402,5	₹ 550 A
58	353 A	303.3	359.6	128.7	223.0	81.6	21.5	1.3	24.6	48.5	182.9	507.2	2736
59	324.3	292.3	322.1	238.3	252.4	76.2	35.1	11.8	8.5	57.7	299.0	259.5	2177
60	393.0	268.6	729.6	235.3	131.4	п.4	1.4	0.	0.5	4.0	148 9	410.1	1824
61	464.1	276.0	292.1	291.B	85.3	Ah.R	20.7	34.3	1.5	93.2	719.9	517.6	2343
95	415.6	280.2	335.2	146.3	13.2	7.0	0.	0.	1,4	10.4	64.3	294.4	1568
63	169.6	185 9	351.5	227.1	135 3	94.5	ñ.9	13.4	60.0	441.7	199.7	229.8	2108
64	324.5	300 3	720.7	137.8	71.2		1.6	0.	1.5	5.3	100.5	312.3	1534
65	324.5	369.5	382.7	225.7	62.7	57.1	0.7	5.3	4.1	98.8	243.5	462.8	2237
66		287.5	200.7	159.2	30.8	0.	Ö.	0.	n.s	30.0	140.8	401.1	1593
67	342.3	249.3	386.3	239 5	274.8	239,4	203.5	45.1	27.6	122.3	261.5	396.4	2767
68	321.7 355.0	243.2	427.3	197.5	6p.n	36.8	3,3	2.9	13.5	65.6	149 3	309.7	1804
69	383.0	274 4	286.9	225.2	173 n	64.5	31.9	ō.	5n.n	87.6	201.1	288.2	2125
70			326.6	83.0	189.0	74.0	8.4	3,8	33.6	221 0	265.5	348.1	5502
71	337.7	565.8	720.0					.	-""				
AN	343.8	295.0	306.6	188.1	134.8	67.8	03.1	20.0	25.9	95 8	227.3	377.0	2154

	# HASIN	HEAN HA	INFALL	TULTING	AGUNG	18 9 Mg			• • •				
YEAR	JAN.	FEB.	MAR.	App.	МАУ	JUNE	JULY	AUR,	SEn.	ος,	HGV.	n∈c.	TOTAL
1951	210.7	300.3	171.6	103.8	26.0	160.0	٥1.0	62.2	80.5	11.6	24.0	264.6	1446.3
952	364.9	236.4	294.3	73.2	79.7	10.8	A . O	10.3	86.2	213.2	418.2	188.0	1983,2
1953	153.8	246.6	307.3	190.7	.203.8	15.8	4.7	15.1	2.3	12.5	126.8	214.0	1493.4
1954	343.8	246.9	190.7	219.4	300.5	110.0	47.3	124.F	43.8	82.1	402.0	270.2	2387,5
1955	254.4	154.9	220.0	231.3	143,4	194.8	538.6	117.1	105.7	257.4	240.2	158,4	2675.2
1956	196 n	261.6	135.1	125.4	136,3	92.5	22R.3	114.4	32.5	102.9	136.0	322.1	1863.3
957	181.7	355.1	334.3	108.7	32.6	11.7	498.5	33.7	1.4	7.0	106.9	307.4	1979.0
1958	199.2	327.7	349.8	228,9	124.6	117.9	104.9	106.B	13.8	135 ი	170.6	428.7	2302.9
1959	424 3	246.4	397,2	147.4	231.0	185.4	134,5	2.7	35.4	110.0	146,8	357.9	2419.3
1960	359.5	291.6	. 314,A	204.7	335.0	71.9	39.4	28,6	21 A	71.4	246.6	167.9	2153.2
1961	284.0	226.5	186.0	195.6	154.7	1.1	2.6	· > 0 •	n 1	1.2	41.2	196.2	1289.2
1962	363.7	301.7	264.1	32A.2	101.1	. 139•n	26.6	49.2	n 6	127 4	171.0	374.5	2277,5
1963	464 A	255 8	343.3	188.9	12.0	33+0	n• :	0.	n .	20.7	21.0	163.8	1502.5
1964	159,4	191.6	420.0	240.6	237.3	100.5	11.6	49.4	181.9	526 A	145,6	144.8	2407.5
1965	376,7	212.1	243,1	101.0	57.5	2.0	5,7	0.	8,3	11.7	99,3	231.5	1350.9
1966	376.7	315.9	329.9	281.2	76.2	37.2	n•	2.5	33.3	112.8	231.6	463.4	2256,7
1967	381 0	270.9	197.9	155.9	6.7	1.6	0.	0.2	0	10.3	83,9	27R.9	1787.3
1968	292.0	245 0	430.0	233.5	394.7	241.1	314.7	74.8	80.7	125.7	199.4	377.2	3014.7
1969	290.4	231.6	283.0	311.4	43,1	26.5	14.8	12.5	10.3	26.1	150.8	177.6	1578.1
1970	334 , n	305.9	234.6	334.6	274.1	69.7	17.5	1.8	77.n	46.6	244.0	327.8	2267,6
1971	250.7	315.8	409.9	52.6	307,8	84.3	14,5	4 . A	71 - 1	322.1	226.4	250.6	2310.6
HEAN	296	263.9	288.4	193,2	156.1	81.4	40.0	38.6	42.2	111.2	175.7	269,5	2017.4
					100								
				1000		•			•		100		(4) (4) (4) (4)
**	+ HASIN	HEAR HA	INFALL	PAKIINJ	EN				***				
**		MEAR HA							*** ***				
YEAR	# HASIN	FEP.	INFALL	PARIINA APR	EN May	-anut	JULY	AUG.	SEP.	oct.	NOV.	nec.	TOTAL
	JA~.	FEP.	мая.	AP7.	МАЧ		2				184		19 1 2 pm
1951	JA*	FEP.	MAR. 177.3	AF7.	MAY 26.3	174.2	٥2. ₀	69.0	76.4	12.n	25.1	282.U	1503.2
1951 1952 1953	JAN. 221.1 365.6	FEP.	MAR. 177.3 305.6	AP2. 107.1 77.6	26.3 79.2	174.2	32.0 8.5	69,0 10,9	76.4 90.5	12.0 211.3	25.1 433.8	282.n 197.5	1503.2 2034.3
1951 1952 1953	JA*	FEF. 30n.7 242.4 249.6	MAR. 177.3	AF7.	26.3 79.2 715.4	174.2 11.1 15.8	32.0 8.5 5.0	69.0 10.9 15.7	76.4 90.5 2.1	12.0 211.3 11.4	25.1 433.8 126.2	282.0 197.5 228.0	1503.2 2034.3 1557.1
1 ⁹⁵ 1 1 ⁹⁵ 2	JAN. 221.1 365.6 172.2	FEF. 300.7 242.4	MAR. 177.3 305.6 310.1	APR. 107.1 77.6 199.6	26.3 79.2	174.2 11.1 15.8 118.7	32.0 8.5	69.0 10.9 15.7 121.2	76.4 90.5 2.1 43.9	12.0 211.3	25,1 433,8 126,2 415,1	282.0 197.5 228.0 272.1	1503.2 2034.3 1557.1 2469.8
1951 1952 1953 1954 1955 1956	JAN. 221.1 365.6 172.2 353.7	FEP. 300.7 242.4 249.6 258.4	177,3 305,6 315,1 207,2 237,3	107.1 77.6 199.6 237.9	26.3 79.2 215.4 306.1	174.2 11.1 15.8	32.0 8.5 5.0 47.0	69.0 10.9 15.7	76.4 90.5 2.1	12.0 211.3 11.4 88.5 267.4	25.1 433.8 126.2	262.0 197.5 228.0 272.1 169.7	1503.2 2034.3 1557.1 2469.8 2759:0
1951 1952 1953 1954 1955 1956	JAN. 221.1 365.6 172.9 353.7 275,5	FEP. 300.7 242.4 249.6 258.4 150.3 257.0 344.1	MAR. 177.3 305.6 315.1 207.2 237.3 144.4 367.6	AP2. 107.1 77.6 199.6 237.9 243.4	26.3 79.2 215.4 306.1 152.3	174.2 11.1 15.8 118.7 207.2 97.5 14.1	52.0 8.5 5.0 47.0 541.1	69.0 10.9 15.7 121.2 113.1	76.4 90.5 2.1 43.9 101.4 32.5	12.0 211.3 11.4 88.5	25.1 433.8 126.2 415.1 290.3 153.1	282.0 197.5 228.0 272.1	1503.2 2034.3 1557.1 2469.8 2759.0
1951 1952 1953 1954 1955 1956 1957 1958	JAN. 221.1 365.6 172.2 353.7 275.5 204.2 209.4 217.3	FEB. 300.7 242.4 249.6 258.4 100.3 257.0 344.1	177,3 305,6 315,1 207,2 237,3	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 243.7	26.3 79.2 215.4 306.1 152.3 152.3	174.2 11.1 15.8 118.7 207.2	52.0 8.5 5.0 47.0 541.1 726.5	69.0 10.9 15.7 121.9 113.1 121.7	76.4 90.5 2.1 43.9 101.4 32.5 1.5	12.0 211.3 11.4 88.5 267.4	25.1 433.8 126.2 415.1 290.3	262.0 197.5 228.0 272.1 109.7 331.4	1503.2 2034.3 1557.1 2469.8 2759:0
1951 1952 1953 1954 1955 1956 1957 1958	JAN. 221.1 365.6 172.9 353.7 275.5 204.2 209.4 217.3 431.0	500.7 242.9 249.6 258.4 160.3 257.0 344.1 338.0 262.6	MAR. 177.3 305.6 315.1 207.2 237.3 144.4 367.6	APR. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 243.7 143.3	26.3 79.2 215.4 306.1 152.3 152.3	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4	52.0 8.5 5.0 47.0 541.1 226.5	69.0 10.7 15.7 121.2 113.1 121.7 35.7	76.4 90.5 2.1 43.9 101.4 32.5	12.0 211.3 11.4 88.5 267.4 110.3	25.1 433.8 126.2 415.1 290.3 153.1	262.0 197.5 228.0 272.1 169.7 331.4 336.6	1503.2 2034.3 1557.1 2469.8 2799.0 1959.2 2091.2 2398.0
1951 1952 1953 1954 1955 1956 1957 1958 1959 1960	221.1 365.6 172.2 353.7 275.5 204.2 209.4 217.3 431.0 366.0	FER. 300.7 742.4 249.6 258.4 160.3 257.0 344.1 338.0 262.6 285.1	177.3 305.6 316.1 207.2 287.3 148.4 367.6 357.0 400.1	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 243.7 143.3 205.7	HAY 26.3 79.2 215.4 306.1 152.3 159.3 43.1 133.4 748.1 339.2	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4	52.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 100.0 36.8	69.0 10.7 15.7 121.2 113.1 121.7 35.7 107.9	76.4 90.5 2.1 43.9 101.4 32.5 1.5	12.0 211.3 11.4 88.5 267.4 110.3	25.1 433.8 126.2 415.1 290.3 153.1 115.9 176.8	262.0 197.5 228.0 272.1 109.7 331.4	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2091.2
1951 1952 1953 1954 1955 1956 1957 1958 1959 1960	221.1 365.6 172.2 353.7 275.5 209.4 217.3 431.0 283.1	FER. 300.7 242.9 249.6 257.0 344.1 338.0 267.6 268.1 226.3	MAR. 177.3 305.6 316.1 207.2 237.3 144.4 367.6 357.0 400.1 325.0 195.1	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 243.7 143.3 205.7 197.0	26.3 79.2 215.4 306.1 152.3 152.3 152.3 43.1 133.4 248.1 339.2 154.7	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 60.7	32.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 130.0 36.8 2.4	69.0 10.9 15.7 121.9 113.1 121.7 35.7 107.9 26.4	76.4 90.5 2.1 43.0 101.4 32.5 1.5 16.6	12.0 211.3 11.4 88.5 267.4 110.3 9.9 139.0 102.5	25.1 433.8 126.2 415.1 290.3 153.1 115.9 176.8 154.7	262.0 197.5 228.0 272.1 109.7 331.4 336.6 452.0 385.1	1503.2 2034.3 1557.1 2459.8 2759.0 1959.2 2091.2 2398.0 2476.9
1951 1952 1953 1954 1955 1956 1957 1958 1960 1961 1962	JAN. 221.1 365.6 172.2 275.7 275.5 204.2 209.4 431.0 365.8 283.1	FER. 300.7 742.9 249.6 257.4 100.3 257.0 344.1 262.6 285.1 262.6 285.1	MAR. 177.3 305.4 316.1 207.2 237.3 144.4 357.0 400.1 325.0 195.1 233.4	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 243.7 143.3 205.7 17.0 328.3	HAY 26.3 79.2 715.4 306.1 152.3 152.3 152.3 43.4 748.1 339.2 154.7 100.2	174.2 11.1 15.8 114.7 207.2 97.5 14.1 100.4 180.4 60.7 1.2	32.0 8.5 5.0 47.0 541.1 226.5 107.9 130.0 36.8 2.4 56.5	69.0 10.9 15.7 121.2 113.1 121.7 35.7 107.9 2.6 26.4 0.45.5	76.4 90.3 2.1 43.0 101.4 32.5 1.5 15.6 36.6 21.1	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 102.5 70.0 3.6 132.9	25.1 433.8 126.2 415.1 290.3 153.1 115.9 176.8 154.7 258.5	282.0 197.5 228.0 272.1 169.7 331.4 336.6 452.0 385.1 176.5 207.7	1503.2 2034.3 1557.1 2459.8 2759.0 1959.2 2091.2 2398.0 2476.9
1951 1952 1953 1954 1955 1956 1957 1959 1960 1960 1962 1963	JAN. 221.1 365.6 172.9 275.5 204.2 209.4 431.0 365.6 283.1 2467.5	FER. 300.7 742,9 249.6 958.4 160.3 257.0 344.1 138.0 262.6 285.1 226.3 311.5 278.1	177.3 305.4 316.1 207.2 237.3 144.4 307.6 400.1 325.0 195.1 325.0	AP2, 107.1 77.6 199.6 199.7 9.43.4 128.3 117.5 243.7 143.3 205.7 197.0 197.0	HAY 26.3 79.2 715.4 306.1 152.3 152.3 152.3 43.1 248.1 339.2 154.7 100.2 13.7	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 60.7 1.2 133.2 33.2	32.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 130.0 36.8 2.4 56.5	69.0 10.9 15.7 121.2 113.1 121.7 35.7 107.9 2.5 26.4 0. 45.5	76.4 90.5 2.1 43.0 101.4 32.5 1.5 1.5 1.6 36.6 21.1 0.1	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 102.5 70.0 3.6 132.9	25.1 437.8 126.2 415.1 290.3 153.1 115.9 176.8 154.7 258.5 42.5 173.9 20.7	267.0 197.5 227.1 169.7 331.4 336.6 385.1 176.5 207.7 157.4	1503.2 2034.3 1557.1 2459.0 1959.2 2091.2 2398.0 2476.9 2183.0 1314.3 2329.8
1951 1952 1953 1954 1955 1955 1957 1958 1960 1961 1962 1964	JAN. 221.1 365.6 175.7 275.5 204.2 217.3 431.0 283.1 376.2 467.5	FER. 300.7 742.9 249.6 758.6 160.3 257.0 344.1 388.0 262.6 285.1 226.7 311.5 278.1 278.1	MAR. 177.3 305.6 316.1 207.3 148.4 367.6 357.0 148.4 367.6 357.0 195.1 233.4 427.9	AP2. 107.1 77.6 199.6 247.9 243.4 128.3 117.5 243.7 197.0 328.3 197.5 238.2	HAY 26.3 79.2 215.4 306.1 152.3 152.3 152.3 43.1 133.4 248.1 339.2 154.7 100.2 13.7 251.2	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 180.7 1.2 133.2 103.7	52.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 130.0 36.8 2.4 56.5	69.0 10.9 15.7 121.7 121.7 35.7 107.9 26.4 0.45.5 47.2	76.4 90.3 2.1 43.9 101.4 32.5 1.5 15.6 36.0 21.1 0.1 0.7 0.1	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 107.5 70.0 3.6 137.0 19.3 542.5	25.1 435.8 126.2 415.1 290.3 15.1 115.9 176.8 154.7 25.5 173.9	282.0 197.5 228.0 272.1 109.7 331.4 336.6 452.0 385.1 207.7 387.1 157.4	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2091.2 2398.0 2476.9 2476.9 1314.3 2329.2 1539.6
1951 1952 1953 1954 1955 1956 1957 1958 1960 1962 1962 1964 1965	JAN. 221.1 365.6 172.7 275.6 204.2 431.0 305.1 376.2 467.5 163.5 379.2	FEB. 300.7 742.9 249.6 249.6 160.3 257.0 344.1 338.0 262.6 285.1 211.5 275.1	MAR. 177.3 305.6 316.1 207.2 287.3 144.4 357.0 400.1 325.0 128.4 357.4 427.9	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 1243.7 143.3 205.7 143.3 205.7 1328.3 197.5 243.4	HAY 26.3 79.2 215.4 306.1 152.3 152.3 152.3 153.4 248.1 133.4 248.2 154.7 100.2 151.2 57.3	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 180.4 180.7 1.2 133.2 33.2 103.7	32.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 130.0 36.8 2.4 56.5 0.	69.0 10.9 15.7 121.9 113.1 121.7 35.7 107.9 26.4 0.45.5 0.47.2	76.4 90.5 2.1 43.9 101.4 32.5 1.5 15.6 36.6 21.1 0.7 0.1 94.5 7.5	12.01 211.3 11.4 88.5 267.4 110.3 9.0 130.0 107.5 70.0 8.6 132.9 19.3 542.5	25.1 433.8 126.2 415.1 290.3 153.1 115.9 176.8 154.7 258.5 42.5 173.9 20.7 160.8 103.4	282.0 197.5 228.0 272.1 109.7 331.4 335.0 452.0 385.1 176.7 387.1 157.4 154.9 246.2	1503.2 2034.3 1557.1 2469.8 2759:0 1959.2 2091.2 2398.0 2476.9 2183.0 1314.3 2329.2 1539.8 1508.6 1384.3
1951 1952 1953 1954 1955 1957 1958 1959 1961 1961 1962 1963 1965 1965	JAN. 221.1 365.6 172.7 275.5 204.2 209.4 431.0 283.1 365.7 283.1 467.5 163.5 384.4	FER. 300.7 742.9 249.6 257.0 344.1 267.6 285.1 267.6 270.7 311.5 270.7 211.7	MAR. 177.3 305.4 316.1 207.2 237.3 144.4 307.6 400.1 325.0 195.1 320.4 427.9	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 143.3 205.7 143.3 205.7 197.6 197.	HAY 26.3 79.2 715.4 306.1 152.3 152.3 152.3 43.1 133.4 248.1 339.2 154.7 251.2 77.1	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 60.7 1.2 133.2 33.2 103.0	32.0 8.5 5.0 47.0 541.1 226.5 107.9 130.0 2.4 56.5 0.2	69.0 10.9 15.7 121.2 113.1 121.7 35.7 107.9 2.5 26.4 45.5 0.2	76.4 90.5 2.1 43.0 101.4 32.5 1.5 15.6 36.6 21.1 0.1 0.7 0.1 7.5 31.6	12.0 211.3 11.4 88.5 267.4 110.3 102.5 70.0 102.5 70.0 3.6 132.9 19.3 542.5	25.1 433.8 126.2 415.1 290.3 158.1 115.9 176.8 154.7 20.7 100.8 103.4 230.5	282.0 197.5 228.0 272.1 109.7 331.4 452.0 385.1 176.5 207.1 157.4 157.4 157.4 1546.9	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2091.2 2398.0 2476.9 2183.0 1314.3 2508.6 1384.3 2508.6
1951 1952 1953 1954 1955 1957 1958 1960 1961 1962 1963 1964 1965 1966 1966	JAN. 221.1 365.6 172.2 755.7 205.7 209.4 217.3 431.0 365.7 283.1 376.5 163.5 379.2 375.4	FER. 300.7 742,4 249.6 257.0 344.1 357.0 362.6 285.1 220.3 275.1 214.7 214.7 224.7	MAR. 177.3 305.6 316.1 207.2 287.3 144.4 357.0 400.1 325.0 128.4 357.4 427.9	AP2, 107.1 77.6 199.6 199.7 243.4 128.3 117.5 243.7 143.3 205.7 197.0 197.0 197.0 198.2 108.0 102.3	HAY 26.3 79.2 715.4 306.4 152.3 152.3 152.3 43.4 748.1 339.2 154.7 100.2 13.7 251.2 57.3	174.2 11.1 15.6 118.7 207.2 14.1 100.4 100.4 100.7 1.2 133.2 33.2 103.7 2.4 34.0	32.0 8.5 5.0 47.0 726.5 495.8 107.9 130.0 36.8 2.4 56.5 11.2	69.0 10.9 15.7 121.9 113.1 121.7 35.7 107.9 26.4 0.45.5 10.4 47.2 0.9	76.4 90.3 2.1 43.0 101.4 32.5 1.5 15.6 21.1 0.1 0.7 194.5 7.5 31.6	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 102.5 70.0 3.6 132.9 19.3 542.5 11.0	25.1 433.8 126.2 415.1 290.3 153.1 115.9 176.8 154.7 258.5 42.5 173.9 20.7 160.8 103.4 230.5 61.5	282.0 197.5 228.0 272.1 109.7 336.6 452.0 385.1 176.5 207.7 387.1 151.9 245.9 247.9	1503.2 2034.3 1557.1 2469.8 2759:0 1959.2 2091.2 2398.0 2476.9 2183.0 1314.3 2329.8 2508.6 1384.3 1539.8
1951 1952 1953 1954 1955 1957 1958 1950 1961 1962 1964 1965 1966 1966	JAN. 221.1 365.6 175.7 275.5 204.2 217.3 431.6 283.1 376.2 467.5 163.5 379.2 384.4 285.7	FEB. 300.7 742.9 249.6 249.6 160.3 257.0 338.0 262.6 285.1 25.7 211.5 275.7 214.7 313.0 2015.7	MAR. 177.3 305.4 316.1 207.2 237.3 144.4 307.6 400.1 325.0 195.1 320.4 427.9	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.3 205.7 143.6 205.7 143.6 205.7 143.6 205.7 143.6 205.7 143.	HAY 26.3 79.2 715.4 306.4 3152.3 152.3 152.3 43.4 748.1 339.2 154.7 100.2 15.7 251.2 57.3 79.1 6.9 358.8	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 180.7 1.2 133.2 103.0 2.4 34.0 1.4 233.2	32.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 136.8 2.4 56.5 0.	69.0 10.9 15.7 121.7 121.7 35.7 107.9 2.5 45.3 0.45.3 0.2 2.9 80.6	76.4 90.3 2.1 43.9 101.4 3.5 1.5 15.6 36.0 21.1 0.1 0.7 94.5 7.5 31.6 10.1 7.7	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 107.5 70.0 3.6 132.9 19.8 542.5 11.0 118.8 11.1	25.1 433.8 126.2 415.1 290.3 153.1 115.9 176.8 154.7 20.7 160.8 103.4 230.5 81.5 206.8	282.0 197.5 197.5 109.7 109.7 1336.4 452.0 1387.1 157.7 157.4 1946.9 1946.9 1946.9	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2091.2 2398.0 2476.9 2476.9 1314.3 2329.2 1539.8 1314.3 2307.3 1406.8 2971.8
1951 1952 1953 1954 1955 1956 1957 1958 1961 1962 1963 1964 1965 1966 1968	JAN. 221.1 365.6 172.7 275.6 204.2 207.3 431.6 3063.1 376.2 467.5 163.5 384.4 375.4 375.4 375.4	FEB. 300.7 242.9 249.6 249.6 160.3 257.0 344.1 338.0 262.6 285.1 275.1 214.7 313.7 214.7 313.7 215.7	MAR. 177.3 305.4 316.1 207.2 237.3 144.4 307.6 400.1 325.0 195.1 320.4 427.9	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 243.7 143.7 143.3 205.7 1328.3 197.5 248.0 107.6 308.0 308.0 309.6 309.6 309.6	HAY 26.3 79.2 715.4 306.1 152.3 152.3 152.3 133.4 248.1 733.2 154.7 100.2 15.7 257.3 79.1 388.8 41.0	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 180.4 1.2 133.2 33.2 103.7 2.4 34.0 133.2 20.4	32.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 130.0 36.8 2.4 56.5 0. 11.2 6.5	69.0 10.9 15.7 121.9 113.1 121.7 35.7 107.9 26.4 0.45.5 0.45.5 0.2.9 10.2 10.2 10.3 10.	76.4 90.5 2.1 43.9 101.4 32.5 15.6 36.6 21.1 0.1 0.7 0.1 94.5 7.5 31.6 0.1 73.2 12.0	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 107.5 70.0 8.6 132.9 19.3 542.5 11.0 118.8 11.1 121.7 28.0	25.1 45.8 126.2 415.1 290.3 153.1 15.9 176.8 154.7 20.7 100.8 103.4 230.5 81.5 81.5 81.5	282.0 197.5 228.0 272.1 109.7 336.6 452.0 385.1 1707.7 387.1 157.4 9246.2 246.2 246.2 246.2 201.6	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2398.0 2476.9 2183.0 1314.3 2329.2 1539.8 2508.6 1384.3 2307.3 1406.8 2971.8
1951 1952 1953 1954 1955 1956 1957 1958 1959 1961 1962 1963 1965 1966 1967 1968	JAN. 221.1 365.6 172.7 275.6 209.3 431.0 283.1 366.7 467.5 163.5 384.4 385.4 283.7 283.7 365.7 376.2 467.5 384.4 385.4 385.7 385	FER. 300.7 742.9 249.6 249.4 100.3 257.0 344.0 262.6 285.1 276.7 2	MAR. 177.3 305.6 316.1 207.2 237.3 144.6 357.0 400.1 325.0 400.1 725.1 23.4 327.9	AP2. 107.1 77.6 199.6 199.6 237.9 243.4 128.3 117.5 143.3 205.7 143.3 205.7 197.0 108.0 108.0 108.3 230.6 330.6 335.7	HAY 26.3 79.2 715.4 306.4 152.3 152.3 152.3 153.4 748.1 339.2 154.7 251.2 77.1 6.9 358.8 41.0 267.9	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 69.7 1.2 133.2 33.2 103.0 2.4 34.0 1.4 233.2 20.0 74.3	32.0 8.5 5.0 47.0 541.1 226.5 8107.9 130.0 11.2 6.5 0. 0. 0. 0. 11.2 11.2	69,0 10,9 15,7 121,2 113,1 121,7 35,7 107,9 20,4 0,4 45,5 0,4 47,2 0,2 10,2 11,3 1,6	76.4 90.5 2.1 43.0 101.4 32.5 1.5 15.6 36.0 21.1 0.1 0.7 0.1 7.5 31.6 0.1 7.5 21.0 7.5	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 107.5 70.0 137.9 19.3 542.5 11.0 118.8 11.1 121.7 28.0 46.7	25.1 435.8 126.2 415.1 290.3 158.1 156.9 176.8 154.7 20.7 100.8 103.4 230.5 81.5 81.5 20.6 81.5 20.6	282.0 197.5 272.1 109.7 109.7 1336.0 1352.0 385.1 1707.1 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 154.0 157.4 157	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2398.0 2476.9 2183.0 1314.3 2329.2 1539.8 2508.6 1384.3 2507.3 1406.8 2971.8
1951 1952 1953 1954 1955 1956 1957 1958 1961 1962 1963 1964 1965 1966 1968	JAN. 221.1 365.6 172.7 275.6 204.2 207.3 431.6 3063.1 376.2 467.5 163.5 384.4 375.4 375.4 375.4	FEB. 300.7 242.9 249.6 249.6 160.3 257.0 344.1 338.0 262.6 285.1 275.1 214.7 313.7 214.7 313.7 215.7	MAR. 177.3 305.4 316.1 207.2 237.3 144.4 307.6 400.1 325.0 195.1 320.4 427.9	AP2. 107.1 77.6 199.6 237.9 243.4 128.3 117.5 243.7 143.7 143.3 205.7 1328.3 197.5 248.0 107.6 308.0 308.0 309.6 309.6	HAY 26.3 79.2 715.4 306.1 152.3 152.3 152.3 133.4 248.1 733.2 154.7 100.2 15.7 257.3 79.1 388.8 41.0	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 180.4 1.2 133.2 33.2 103.7 2.4 34.0 133.2 20.4	32.0 8.5 5.0 47.0 541.1 226.5 495.8 107.9 130.0 36.8 2.4 56.5 0. 11.2 6.5	69.0 10.9 15.7 121.9 113.1 121.7 35.7 107.9 26.4 0.45.5 0.45.5 0.2.9 10.2 10.2 10.3 10.	76.4 90.5 2.1 43.9 101.4 32.5 15.6 36.6 21.1 0.1 0.7 0.1 94.5 7.5 31.6 0.1 73.2 12.0	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 107.5 70.0 8.6 132.9 19.3 542.5 11.0 118.8 11.1 121.7 28.0	25.1 45.8 126.2 415.1 290.3 153.1 15.9 176.8 154.7 20.7 100.8 103.4 230.5 81.5 81.5 81.5	282.0 197.5 228.0 272.1 109.7 336.6 452.0 385.1 1707.7 387.1 157.4 9246.2 246.2 246.2 246.2 201.6	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2398.0 2476.9 2183.0 1314.3 2329.2 1539.8 1784.3 2507.3 1406.8
1951 1952 1953 1954 1955 1956 1957 1958 1959 1961 1962 1963 1965 1966 1967 1968	JAN. 221.1 365.6 172.7 275.6 209.3 431.0 283.1 366.7 467.5 163.5 384.4 385.4 283.7 283.7 365.7 376.2 467.5 384.4 385.4 385.7 385	FER. 300.7 742.9 249.6 249.4 100.3 257.0 344.0 262.6 285.1 276.7 2	MAR. 177.3 305.6 316.1 207.2 237.3 144.6 357.0 400.1 325.0 400.1 725.1 23.4 327.9	AP2. 107.1 77.6 199.6 199.6 237.9 243.4 128.3 117.5 143.3 205.7 143.3 205.7 197.0 108.0 108.0 108.3 230.6 330.6 335.7	HAY 26.3 79.2 715.4 306.4 152.3 152.3 152.3 153.4 748.1 339.2 154.7 251.2 77.1 6.9 358.8 41.0 267.9	174.2 11.1 15.8 118.7 207.2 97.5 14.1 100.4 180.4 69.7 1.2 133.2 33.2 103.0 2.4 34.0 1.4 233.2 20.0 74.3	32.0 8.5 5.0 47.0 541.1 226.5 8107.9 130.0 11.2 6.5 0. 0. 0. 0. 11.2 11.2	69,0 10,9 15,7 121,2 113,1 121,7 35,7 107,9 20,4 0,4 45,5 0,4 47,2 0,2 10,2 11,3 1,6	76.4 90.5 2.1 43.0 101.4 32.5 1.5 15.6 36.0 21.1 0.1 0.7 0.1 7.5 31.6 0.1 7.5 21.0 7.5	12.0 211.3 11.4 88.5 267.4 110.3 9.0 130.0 107.5 70.0 137.9 19.3 542.5 11.0 118.8 11.1 121.7 28.0 46.7	25.1 435.8 126.2 415.1 290.3 158.1 156.9 176.8 154.7 20.7 100.8 103.4 230.5 81.5 81.5 20.6 81.5 20.6	282.0 197.5 272.1 109.7 109.7 1336.0 1352.0 385.1 1707.1 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 157.4 154.0 157.4 157	1503.2 2034.3 1557.1 2469.8 2759.0 1959.2 2398.0 2476.9 2183.0 1314.3 2329.2 1539.8 2508.6 1384.3 2507.3 1406.8 2971.8

	• HASIN	HEAN PA	INFALL	JEC I							**************************************	DEC.	TUTAL
AR	YJAN.	FEA.	MAR.	APR.	MAY	JUNE	JULY.	52.7	SEP. 37.A	0CT.		40n,4	1771.2
1 2	349.7 425.3	1368.6	173.3 393.1	88.7 80.1 216.2	57.3 101.6 246.8	145.7 12.2 10.6	33.4 4.1 34.4	20.7	73.9 1.8	166.4 8.8	440.n 157.2	352.3	2484.3 1735.7.
5 1	398,4	237.0 307.3 257.0	311.9 257.0 246.3	290.1 241.7	260.8 152.5	113.9	398.0	114.9	55.4 90.9	127.4	469.0 425.2	403,7 274,3	2839.5 2859.9
5	283.5 279.5 262.9	229.5 323.2	137, 3 410.7	110.0	118,6	11A.4	184.3 332.8	128.5	34.1	127.1 11.0	197.6 128.3	367.5 348.8	2046 2
7 B 9	234.2	306.3 289.5	321.0 371.6	241.0 130.1	122.1	9n.6 111.6	113.4 53.8	6A,5	33.1 28.4	103.3 67.8	175.1	458.6 468.8	2767.2
0	338 8 354 8	254.5	724.8 216.0	226.5	279.7 138.5	74.4	35.5	16.7	12.4 n.	6n.9	288.9 116.0	232.6 347.8 474.9	2175.9 1657.3 2323.4
3	434,9	243,8 275,9	367.6	30n.1	13.1	71.6 15.2	30.9 0. 3.7	36.6	1.0 1.0 103.n	104.7 11.4 475.9	204.6 50.5 157.5	254 n 205.5	1549.4 2234.9
4 5	341.3	275.2	376.1 921.8 371.0	229.3 124.2 248.9	170.4 68.8 66.5	96 n 3.2 48.9	2.8	0. 4.6	3.3	6 A 104.2	142.0 237.2	29n.8	1480.2 2256.4
7	349,3	350.1 263.2 241.0	200.7	101.4	311.7	0.4 238.3	237.5	0.1 55.6	10.7	20.0 123.4	127.9	362.0 392.2	1528.0 2731.1
68 69 70	307.6 340.2 373.6	241.2	381.7 272.7	251.0	54,2 200.6	34.7 68.3	27.6	5,4 0,5	12.8 58.3	53.A 75.n	146.6 256.8	294.9	1788.2 2168.0
71	313,1	799.2	355.3	61.2	227.4	75.A	9,8	3.7	43,5	246.6	266.N 213.8	319.0 347.4	2240.8 2117.9
AN	328,7	285.3	294,5	191.4	142.7	72.7	73.9	31.0	30,9	101.7	X10.6		
••	• BASIN	MEAN R	AINFALL	Jovani	Ru				***				
AR	JAN,	FER,	HAR.	APR.	HAY	JUNE	JULY	AUR.	st+,	OCT.	NUV.	nec.	TUTAL
51 52	346,3 415,5	363.4 402.3	187.0	9 ₍₁ , 9 84, 6	58.5 104.8	155.6	34.6	50.8 21.3	35.4 71.8	16,0	49.6	399.3 347.6	1787.6 2464.3
53 54	214,5 399,4	243.6 320.8	327.1 258.8	216,1 - 288,0	247.5 262.9	10.6	33.7 38.4	6.4 115.n	3.6 56.7	7.6	155.0 471.3	297.3 385.8	1763.C 2838.1
55 56	294 A	245.8 238.1	256.4 142.7		153.7	177,4 12 ⁸ ·1	368,9 150:1	100.n 132.n	93,4 35,4	217.9 119.5	207.0	364.9	2874.9 2078.0
57 58	274.5	30°.7 320.7	434.5		129.8	13.1 87.4	323.2 114.8	33.4 72.H	3.6 33.n	13.7 109.1 67.3	128,8 177,5 172,7	348.5 459.7 469.2	2726.5 2726.5 2758.3
59 50	349.4	301,4 269,6	384.3 336.8 237.7	225.2 227.6	235.1 289.3 135.4	112 · 2 69 · 7 2 · 3	59.8 35.2 1.7	1.4 17.2	մր,ը 11.5	58.2	294 n	231 3 344 9	2207.4 1647.2
61 62	332.2 426.8 422.7	250.5 203.0 201.1	303.5 347.6	306.7 168.5	97.2	73.6 15.9	31.9 0.	33.4	1.3	104.3	201.6 56.8	461.9	2325.2
63 64 65	173.h	207.2	379.7	223.7 134.5	192.5	94.8	3.3	27.4	109.6 2.8	466.4	189,9	203.1 289.7	2771.4 1481.2
66	340.4	352.4 284.1	379.7	257.7 176.3	65.4 21.6	46.5 0.4	n.3	4.7 D.	12.3	106.5 26.1	221.2 116.2	458 n 351 5	2244.6 1527.5
6P	309.5 344.0	247.9		236 1 244 7	307.2 49.5	234.1	237.9 6.1	54.0 4.8	38.4 13.6	127.3 54.0	245.3 148.9	394.9 283.1	2848.1 1813.0
70 71	383.7 316.2	276.5	344,7	272.6 88.8	204.3	67.7 71.9	12.8	3,3	57.2 40.5	73.5 238.2	202.1 255.1	304.2 300.6	2721.3 2707.1
AN	329,9	287,4	312,3	197.4	147.2	72.6	73.0	32.6	31.1	101.7	211.6	343.8	2140.2
								4					(1 - 2) - 1 - 41 - 1 - 41
	+ HAST	HEAN H	AIMFALL	KERTO	S0410		* 1	•	era Generalisa				
AR	JA	FEO.	, PAN	APR,	MAY	JUNE	JULY	AUG.	SEP.	nct.	NOV.	pec.	TOTAL
51 52	342.3	371.6 401.6	171.7	88.0	57,7 106,4	167.1	36.2	47.1 21.9	38.n 67.9	17.8 164.3	53.5 428.6	395.7 351.8	1806.3 2452.7
53 54	219,2 410,8	246.9 310.0	33n,4	724.1 789.4	249.1 258.4	10.2	38.4 38.3	5.8 110.8	3,9 56,n	7.2 129.3	157.1	295.4 381.8	1777.7 2824.1
55 56	298.1 271.9	243.5 252.0	145.7	248.1 123.7	153.8 139.6	172.0 130.3	1/0.2	100.0 132.0	37.1	208.9	398.4 263.9	783.A 361.9	2642.6 2061.9
57. 58	278.0	359.F	447.8	25n.¤	129.9	13.5	116.7	71.9	. 3n.A	111.0	128,5	343.0 458.7 473.8	2099.2 2318.3 2393.7
59 60 61	396,5 351,9 336,2	3,6,3 3,7,7 251 5	337.4	151.0 229.3 218.9	291.1	112.6 67.3	60.2 36.8 1.9	1.ª 17.6	30.3 11.9	62.4 56.2 10.5	287.5	229.5 346.6	2224.2
62	436.9	202 h	702.A		90.0 23.4	74.6 15.7	აგ.4 ი.	33.e .n.	1.9 0.7	107.5	203.0 54.9	451.2 245.3	2341.8 1000.0
64	336.1	996.0 275.5	Son 4	918.9 135.0	194,5	94,4	5.2 4,4	27,A	102.9	454.7 7.6	169.8 131.9	204.0	2265,1 1484,9
166 ° 167	334	155 m	196.0	161.7	71,2 25,1	46.H	Ո•B ቦ•	3.0	12.0	108 4 25.7	21H.4 111.2	452.5 347.6	2746,9 1562,7
969 969	309.~	252.1 252.1	39 574 R	235.1 244.5	296.4 48.5	32.6	233.4	53.6 4.4	17.7	122.4	149.7	386.5 272.5	2933.7 1794.6
77n 771	386.	276.7 311.7		99.4	203.7	63.1 74.2	25.3 15.1	0,5 3,2	54.6 37.6	77.8 228.0	260.5 246.6	308.7	2218,6 2208,6
AH	330.5	295.7	315.3	198.2	147,7	72.5	71.9	32.0	30.2	99.5	7UA.8	341,5	2144.8

AR	· BASIN	MEAN R	MAR.	APH.	HAY	JUNE	JULY	AUG.	"SEP.	nct.	NOV.	DEC.	TOTAL
51 52	336,1 363,4	362.2 367.7	184,2 387.7	81.2 86.6	42.3	146.3	37.4	37.5 22.6	33.2 53.4	17.2	47.5 308.6	380.1 363.9	1702.2 2291.7 1777.8
53 54 55	244.8 400.5 300.1	259.0 304.9 245.8	293.0 228.4 302.5	251.4 265.1 241.9	235.2 228.1 150.1	9.1 95.6 156.3	38.9 38.9 325.2	4.7 99.2 74.4	3.3 47.7 65.n	5.n 121.1 168.1	131.9 414.3 339.0	301.A 352.3 764.5	2591.1
۵ 7	257.6 292.8	298.8	151.5 426.8	111.0	129.9 7n.7	151.4	132.4	112.A 41.4	31.7	111.3 13.1 99.5	147.3 119.9 140.9	340.9 326.5 440.3	1988.6 1982.2 2247.9
8 9 0	239,4 406.3 347.8	322,8 343.6 340.5	341.1 - 358.6 - 352.6	254.8 101.7 236.3	138.6 739.6 765.4	79.1 -94.9 -51.3	105.5 56.4 30.2	01.4 2.7 15.5	24.5 27.1 13.0	47.7	249.7	448.1 214.7	2126.1
1 2	317.2	252.4 305.8	221.1 271.7	212.1 318.5	134.6	6.5 74.5 14.2	29.8 2.3	0.1 30.4 0.	0.9 2.6 0.5	13.3 82.7 15.6	105.3 191.6 43.2	311.9 402.5 238.3	1577.7 2733.8 1561.0
3 4 5	362.0 192.0 317.1	316.4 203.8 255.2	361.6 398.3 214.5	161.6 194.9 126.4	27.6 171.2 58.8	91 3 5 6	0. 9.2 4.0	22.9 U.A	88.1	380.6 7.0	189.7	195.2 280.8	2132.2 1374.7
6 7	318,6 380,0 281,5	360.9 325.9 300.3	379,3 193,6 421,0	210.0 182.8 218.3	66.2 20.5 258.6	44.4 0.2 198.6	212.0	2.9 0. 45.8	8.3 0.8 37.6	113.1 18.8 90.2	184.4 97.9 921.7	409.1 331.1 328.5	2098.8 1546.6 2613.6
8 9 D	331.6	284.7 297.5	348.1	214 9 232 1	45.5 174.3	24.5 47.5	6.8 28.1	2,0	8.A 42.3	44.0 57.0	120.4	248.7 287.4	1680.9 2083.2
1 N	351.2	362.4	308.9	111.1 150.8	137.1	80.6	02.1	4.n 27.7	27.5	207.5 85.5	184.5	290.5 321.8	2728.3
TW.	UZ.												
	**	منتها الأراب	المراجعة المسترات										
**		MEAN R				1 LADHD9			***				
AR 1	JAH.	FEH.	ሥልዋ. 195.2	102.2	₩AY 51,8	113.0 113.0	JULY 35.3	AUG.	SEP.	0CT. 20.5	NOV.	NEC.	20U5.1
2 3	473.1	579.4 285.1	42° 1 405.9	108.n 193.4	146.3 291.7	10.7 P.O	4,6 30,1	54.4	31,4	134,5	417.1 230.6	491.6 330.3	2849,4 1955.D
4 5 5	460,7 313,6 319,1	301.6 301.2 236.5	760.6 768.4 138.9	257.7 296.2 148.8	255,5 171,3 143,9	61.0 191.4 147.7	17.8 321.8 203.1	126.6 129.7 169.5	78,2 114.8 54.0	127.3 218.2 162.5	546.7 631.8 257.3	467.9 368.2 421.1	2961.8 3332.1 2402.4
7 8	260.7 244.^	333.5	404.9 242.4	142 0	71.0	7.4 61.0	29A.5	31.4 53.2	5.7 34.5	10,3 129,5	109.6	348.0 434.5	2083.2 2291.6 2447.9
9 D 1	417,8 403.1 344.5	298.3 273.7 232.6	405.6 314.5 217.5	141.3 260.7 234.6	240.5 341.2 125.8	72.9 72.9	26.1 32.2 3.0	2.1 27.1	38,7 11,3 1,3	96,5 46,1 10.4	207.5. 368.8 345.4	A01.5 243.8 395.8	2385.4 1711.9
2 3	431,4 397,8	219.7	296.4 346.4 373.2	322.3 179.0 240.2	130.3	55.5 0.2 77.7	19.5 0•	18.7 0, 19.2	7.n n. 10n.9	103.2 19.1 548,3	182.7 104.1 184.2	514.9 280.4 225.3	2877,3 1572.8 2347.8
4 5 6	171.9 399,n 363,1	228.5 336.0 413.7	242.0 484.0	139.6 300.4	168 1 103 2 53 1	7,8 72,6	1.3 0.3 1.8	υ. • n	` n 5 .5 .	6,4 84,8	148.3	279.2 589.1	1661,8 2677,5
7 8 9	436.0 341.6 356.9	307.2 287.0 229.3	267.8 463.5 336.7	216 5 278 8 274 4	39 3 307 9 66 8	0. 243.1 33.0	226.1 2.3	0. 30.4 7.5	0.1 38.4 20.7	23,8 168,4 82,8	145.6 296.6 204.9	398.9 470.2 317.1	1835,2 3172,6 1934,4
0	429,3 268,8	261,0 407,1	301.6 359.0	303.1 126.8	211.7	74.9 70.8	20.0 14.0	₫. 3.3.	71.2 61.8	106.1 321.5	294.9 348.2	997.A	2391.6 2455.5
N	356,6	313,0	323,4	215.4	153,1	67.2	66.6	31,4	33,9	110,1	24,04	389.4	5359 '8
## AR	• HASIN Jag.	HEAN R.	Allefall Car			JUNE (PAKEL=U(1.5		e## Cho	OUT.	.	DEC.	TUTAL
1	329.7	335.F	200.1	105.3	65.4	208.8	40.9	40.7	23.4	28.8	44.8	393.1	1876.7
2 3 4	362,6 267,5 405,1	364.2 279.1 392.1	432,9 407,9 207,9	10 ^R .7 216.3 276.9	122.2 251.5 274.2	18.9 10.8 111.0	5,6 29,8 17.7	25.n 8.7 120.3	60.7 13.1 63.0	168,4 0.9 128,8	351.6 143.3 444.4	322.7 280.4 290.3	2358.5 1909.3 2831.7
5 6 7	353.° 218.1	186.1	171.9	293.3 151.4	159.6 229.8	196.0	340.3 158.0 272.9	119,0	107.7	242.6	318.1 257.n	325.4 321.6	2953.4
B 9	337.1 287.5 413.2	233,9 394,6 365,1	568 9 367 8 451 7	230.7 306.7 212.7	129.7 170.3 261.7	21.7 70.5 115.1	122.6	95.6 111	32.0	28,0 139,6 64.5	101.9 190.0 169.3	347,2 465,9 471,3	2350.7 2644.2 2655.8
0 1 2	405.1 212.4 383.9	313,9 229,8 279,6	400 8 353 6 387 8	217.4 213.6 342.0	340.8 118.6 120.5	44.8 12.1 84.5	33,8 2,3 37,4	22.6 0. 16.7	6.5 n. 3.1	44.1 23.1 102.3	420.5 VV.6 106.0	224 6 340 3 393 9	2375.3 1595.3 2337.2
3 4	411,7	309.1 248.4	394.3	190.1	55.0 309.5	19.6	1.3	49.6	144.5	12.7	202.7	175.8 190.6	1458,3 2464,1
5 6 7	308.d 312.7 385.4	761.6 365.3 269.4	214,1 424,2 172,2	189 A 303 9 255 A	87.3 59.6 20.8	74.4 74.4 7.	9,8 1.1 0.	0. 0.	12.0 0.3	5.1 119.1 26.8	103.6 136.1 80.2	284.9 411.9 296.1	1489.4 2184.0 1527.2
R G	320 · 1 364 · 3	265.5	521.6 363.1	230.4 317.8	282.9 24.8	33.6	214.8 5.8	51.4 1.3	18.5 17.8	147,9 54,4	246.9 161.5	409.5 297.6	2941.5 1946.8
0 1	437.2 285.2	767.4 364.7	403.7 367.2	331,8 96.2	224.3	63.8 68.8	16.6 18.7	2.6	51.1 49.3	64.7 257.0	290.6	354.3	2505.0 2193.8
N	334,4	300.7	364,5	227,4	171.R	75.9	67.7	36.3	35.0	103.4	\$00.9	326.2	2242.6

	erenegatek Managaria	ers stronger Colores	19 MF49.66 (2007)							等(数)等(图) (基)(图)等(图)			
	• HASIN	MEAN RE	INFALL	ՏԱԲ-իֆ	SIN V ()	-U418940	KEKTUSON	0)					
YEAR	JAV.	FEO.	HAR.	APR.	HAY	JUNE	JULY	AUN.	SEP.	OCT.	MOV.	Dec.	TOTAL
1951 1952	299.6 312.0	423.9 330.9	233.5 379.3	66.74 110.8	35.7 111.4	264.4 18.2	16.6	25.2	52.7 27.3	34,5 121,4	92.4 348,3	363.n 395.2	1919.4
1953	260.2 499.8	261.3 310.1	361.3	267.5 281.0	248.8	44.1	34.4	03.3	46.6	149.5	148.9	342.0	1886,2 6 2 2594,3 6 6
1955	337.n	209.9	126.1	225.4 124.6	145.6	144.1	73.0	131.4	49.0	112.1.0 100.0	199.0	300.9	2476,9 2072.0 2044.6
1957 1958	304.5	287.7	532.3 314.0	175.n 243.7	137.9	17.4	127.6	51.7 64.n	12.5	23.1 143.5	114.6	272.5 428.8 519.5	2197.0
1959	521.n 378.9	442.5	425.0 326.0	218.8 276.4	263.3	39.1	48.2	24.4	34.R 16.5	22.0	238.1	210.2	2296.4
1961	374.8 507.3	235.7 341.9	223.7 277.8	182.8 432.3	33.3	17.4 68.4	0.7 43.0	29.5	4.9	48.0 d	152.A 186.5	312.4	2297.2 1846.6
1963	476,6 176,4	404.7 202.7	366.9 435.3	136.7	205.9	70.1	24.7	25.3	40.1	39.8	39.3 184.0	310.5 206.5 263.8	2057.5
1965 1966	300.7 288.2	345.4	273.0 519.5	129.7	129.3	13.5 33.2	8.0 4.7	1,3	1,0 7,6	16.3 97.6	81.0 151.6	347.A	2092.0
1967 1968	487.6 263.1	461.0	181.8 390.5	203.6	178.2	141.b	218.0	0. 39,4	26.5	75.9	79,6 236,8	301.7 265.1	2459.2 1555.3
1969	314.2 345.9	273.2 261.5	319.2 369.8	217.8 188.5	30.0 178.2	10.5 30.8	12.4	1.4	3.n 28.6	54.7 7n.9	716.1	172.1 305.5 190.6	2011.3
1971	445,7	460,7	284.0	133,1	321.8	99.5	39.4	2.3	10.n	145.7 80.3	165.2	305.1	2087.7
MEAN	352.0	329.7	329.6	199.6	147,9	65.5	26.8	24.0	20,4				
		Selejietek Salajietek											
	• BASIN	MEAN R	AINFALL	\$116-8A	SIN VI	HTUAS HT	VER BASI	N }	•••				
YEAR	JAH.	FER.	HAR.	APR.	HAY	June	Y.IUL	AUG,	SEP,	OCT.	NOV.	DEC.	TOTAL
1 ⁹⁵ 1 1 ⁹⁵ 2	327 n 267 n	338.0 336.6	155.8	85.1 75.4	15.6 103.4	9.1	1.4	16.9	19.5	12,5	27.6 277.0	395.5	1424.1
1953 1954	281.0 358.2	327.0	224.5	325.5 220.0	180.9	81.3	26.7 40.3	2.5	13.3	78.6	89.4 334.7	272.4	1824.8 2194.D
1955 1956	268.2	219.6	366.6 161.1	77.8	208.8 128.8	144.2	225.4	20+1 80+4	23.6 12.7	115.0 101.9	140.0	200.8	2222.5 1738.3
1957 1958	362.5 208.5	346.3	405.9	131.6	195.4	14.3 43.0	116.8 79.6	55 A 43 A	11.1	7.9 92.5	100.7	406.9	1679.2 2267.0
1959 1960	403,7 361,6	508.3 361.3	367.2	214.1 250.8	300.6 224.2	14.5	47.1	2.n 11.5	17.2	20.0	114.3 228.6	383,5 198.3	2301.6
1961 1962	714.4 488.0	253.7 319.4	263.0	255.9	137.4	8.6 46.0	7 9	0. 14.5	n. 1.2	14,2	205.3	289.2 268.8	1417.3 1945.8
1963	281,4 190.0	201.0	428.4	196.6	57.6 131.5	10.7 88.9	0 10.3	D . 14.9	n. 54.7	205.3	20.4	203.4	1481.1
1965	251.0 256.8	153.A	296.2	113.3	40.8 49.1	0.6 52.7	1.4	0.	3.5 1.0	69,5	51.4 108.5	390.1	996,2 1696,3
1967	354.5	361,5	197,1	220.3	12.9	127.5	104.3	21.6	38,6	4,0 18,8	50.7 210.0	326.3 208.1	1544.5 2162.6
1969 1970	344.6	306.5	437.1	235.2 219.2	28.5 138.8	18.5	6.7 3.8	0	14.6	36,5 12,1	199.5	227.6 256.2	1554.4
1971 MEAN	344.2 299.n	374,5	260.3 300.5	143.5	247.2 131.0	112·5 55.7	1.5	1.3	7.0 11.0	173,4 53,3	177.5	272.6 279.8	2116.4 1835.4
nuan .	277,111	100 10	10011		10.10	3311	,,,,	****					
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					. 1						· · · · · · · · · · · · · · · · · · ·		
		=		CH		AVERTOSA	NA- 1100N						
YEAR	JAC.	FER.	AINFAUL Mar.	708 203-40	MAY.	104F (KEKLUPU	JULY	AUR.	SEP.	oct.	NOV.	DEC.	TOTAL
1951	324.5	351.3	179.n	65.4	15.0	11R.3	24.1	21.1	27.5	17.q	33.1	345.1	1521.4
1952 1953	978.K 288.n	304.7 271.9	354,5 215,3	80.6 307.7	97.5 210.4	13.3	2.8 5.5	24.3	26.3	97.7	321.1 88.9	398.6 309.5	1999.1 1756.8
1954 1955	294.2	276 n 238 a	174.4	728.7 219.4	179.4	68.0 121.3	34,9 236,3	65,⊀ 22,⊓	16.7	115,n 85,4	310.6	281.9 239.4	2148.8 2207.8
1956 1957	224.H 292.9	297.6 256.5	152.n 419.8	96.4 125.6	110.4 59.6	192.8 14.7	54.6 101.4	84.9 47.9	31.n 7.7	96,9 12,9	167.3	285.7 279.0	1793.6 1733.2
1958 1959	237.9 430.1	331.2	354,9 322,8	238,5 105,0	144.1 228.8	67.7	49.4	35,7	11.4	83.ក 18.ក	42.R 96.1	394,5	2n71,4
1960 1961	341.9 268.0	237.5	359.0 184.4	23R.7 179.2	210.9 124.3	13.4	26.3	10.0 0.4	17.9	21.7	178.7 84.0	245.6	2010.8 1304.7
1962 1963	460.2 317.1	340.7 368.0	219.5 369.6	335,3 146,9	37.3	12.9	27.0 n.	21.3	3,2 n.	49,4 12.7	150.9 16.6	30°.1	2024.7 1505.7
1964 1965	227.0	189.7 725.4	421.8	136.6 186.1	12 ⁸ .9	81.8 6.5	23.1	10.9	43.0	264,9	197.4 51.8	171.7	1902.2
1966 1967	291,9 409,1	362,3	376.6 172.5	135.1	72.9 11.R	38,3 0	2.4	0.6 0.	2.6	118.4 7.1	11 ⁹ .0	320.1 265.4	1480.2
1968 1969	231.4	382.9	418.3 300.0	181,0	196.7	141.6	177.4	37,4	34.5 0.7	38,3 21,4	173.1	218,9 195,4	2234.4 1426.1
1970	344.4 398.6	316.4 413.4	34H.4	159.2	129,8 248,0	15.5 11 ^{9.5}	18,3	П.5 5,4	18,4 7,7	21.7 164.5	175.5	242.6	1775,5 2963,3
MEAN	7.4	- 4	004.0										

MEAN

294.9

172.7

19.0

en,

146.1

279,1

1830.0

4. Monthly Mean Discharge at 18 Discharge Gauges

The compiled herein are the monthly mean discharge calculated based on the original data at 18 gauges during 1951-1971 period. The gauges are Karangkates, Pohgajih, Kaulon, Pakel, Jeli, Jongbiru, Kertosono and Jabon on the Brantas River, Wadi, Bendo, Parit Raya, Tulungagung and Pakencen on the Ngrowo River, Selorejo on the Konto River, Widas on the Widas River, Mlirip and Perning on the Surabaya River and Kepajaran on the Porong River. The location map of the gauges is as shown in Pig. 2-1.

YEAR	. JA4.	= FER.	" "AR,	1489	CHAY	JUNE	JULY	AUG.	SEP.	OCT.	NUV,	Dec.	TOTAL HEAM
1955345 195555789 19555789 19555789 1956668 196668	119,5 87,3 55,9 80,5 97,0 136,8 69,7 61,3 85,4 84,4 84,4	142.3 120.7 50.9 .76.6 107.3 108.3 95.4 63.7 105.6 71.2 73.1 100.9 53.1	65,2 124.1 54.1 58.0 78.7 150.5 89.4 100.3 95.4 52.0 69.4 110.7	41.6 53.8 56.6 55.0 72.5 86.6 89.4 86.7 76.3 96.4 56.0 74.7 80.3	37.1 38.9 66.1 61.9 73.2 67.1 65.0 65.8 98.4 58.1 49.1 49.1 49.1	42.2 25.0 39.2 50.6 67.2 42.6 66.7 45.3 50.4 52.2	25.2 18.2 33.0 13.3 104.1 77.8 >5.8 49.1 42.1 45.4 42.7	21.7 21.7 21.7 35.3 52.2 49.1 42.3 38.5 42.1 40.7	20.8 15.0 16.6 23.0 40.6 37.3 40.4 43.9 47.1 30.8 43.6 43.6	14.7 28.1 16.0 78.7 39.3 49.6 49.6 49.6 49.6 79.6 79.6	16.0 68.0 29.2 106.2 139.0 45.1 40.2 43.4 60.5 41.2 54.6 58.0	51,8 57.3 136.4 136.4 118.4 11	596.4 49.7 538.1 40.8 485.2 40.8 753.5 68.0 1072.7 91.1 865.8 72.1 736.1 65.7 736.1 65.5 834.5 65.5 834.5 65.5 706.4 58.9 706.4 54.0 652.2 54.0
1965 1967 1967 1968 1969 1970 1971	93.9 98.5 140.0 139.7 153.4 72.5 103.6	110.6 100.5 130.1 143.3 156.5 92.1 129.7	87.7 94.0 87.3 78.3 198.6 99.1 134.6	77,7 75.8 79.8 82.5 188.4 73.8 61.6	65,1 65,7 56,6 141,1 94,0 60,2 99,6	57.0 66.4 53.3 117.1 71.6 50.1 76.6	54.5 49.7 48.1 127.2 55.0 44.2 48.2	44.0 35.9 44.1 93.5 45.3 33.0 39.6	36.6 39.5 47.9 38.3 32.8 43.7	38,5 43.4 39.4 67.1 32.9 35.4 69.4	40.2 50.8 44.4 47.2 35.9 44.8 67.3	77.8 89.9 115.5 107.5 65.1 69.1 109.1	785.3 05.6 774.8 04.6 884.1 75.7 1162.4 98.5 1185.1 94.6 727.1 90.6 1022.7 85.2
MEAN	94.3	100.5	94,3		40.5		5.5¢		30.7	41.8	- 44/A	333.6	
•		- Table 1	DISCHARG	4.2	POHUAJI	4 5	•						
YEAR 1951 1952 1953	JA', 135.9 105.7 71.0	167.8 140.5 69.2	85.3 153.4 73.5	61.7 75.7 77.1	51.9 52.3 93.9	57.3 38.4 51.1	JULY 37.3 27.4 41.7	409, 30,6 25,5 27,5	5t°. 27.7 27.3 23.1	0CT, 21.4 34.1 21.4	75.2 5.0 5.0	06.9 74.1 96.6	765.4 63.8 838.6 69.9 642.3 53.5
1954 1955 1956 1957 1958 1959 1960	97,1 118,7 151,6 88,1 69,5 108,7 96,5	94.5 128.4 122.6 121.4 43.4 126.7 103.6 86.6	79 104.5 74.0 173.6 102.7 125.6 121.7 67.1	6(.5 100.4 90.4 106.4 108.7 89.1 114.5	59,7 97.0 81.0 82.0 81.5 92.1 122.7 74.3	68.9 95.3 85.6 52.3 77.1 75.5 74.3 52.7	44.9 132.9 10.7 192.5 70.7 55.2 70.3 47.7	46.5 90.7 67.8 60.5 57.4 46.1 56.5 41.1	37.1 73.1 51.3 42.7 45.1 46.2 50.5	39,3 62,3 51.8 36.7 50.5 39.4 46.5 33.3	118.7 191.3 58.4 44.0 53.2 51.6 70.6	161.7 130.7 99.3 77.6 118.7 115.2 bn.1	953.3 79.4 1304.4 108.7 1042.3 66.9 977.3 61.4 918.3 76.5 972.6 61.0 992.4 82.7 742.9 61.9
1962 1963 1964 1965 1966 1967	104,4 109,5 56,6 114,3 66,2 162,1 146,6	90.3 62.0 129.3 124.0 139.2 150.3	87.8 134.7 93.6 105.5 135.5 103.1 114.2	95.4 117.5 90.4 117.5	64,5 65,1 74,5 70,3 91,3 67,4 175,1	56.4 62.5 61.2 74.2 58.2	49.5 49.9 47.5 52.9 55.8 21.0 105.6	46.7 50.0 42.5 47.3 40.5 40.7 100.3 49.1	36.n, 44.9 45.2 49.4 43.7 42.1 50.4	47.1 40.9 107.7 39.4 52.4 41.4 85.2 38.3	63.1 44.2 89.8 44.9 71.0 48.7 97.5 48.7	114.7 69.1 60.7 80.1 132.7 125.2 144.6 67.3	090.5 71.6 651.5 73.4 443.3 70.3 856.4 73.9 1027.0 85.6 984.6 82.0 1499.9 125.0 1219.9 161.7
1969 1970 1971	164,9 91,9 122,5	163.0 197.4 142.1	207.2 12(.6 147.2	94.4	101.0 93.0 104.4	81.7 61.7 85.3	90.0 20.4 26.5	37.3	38.4 45.4	74.1	95.8	123.9	881.2 73.4 1133.5 94.5
HEAV	110.*	117.6	117.6	97.6	87,5	71+1	63,4	50.5	42,*	48.4	66.5	97.7	
		şê.											
••	• FQ'-T	HLY WELL	BISCHAR	TA ĝ	KANLON		•						
YELR	JAN		~ , 4			June		AUG.		OCT.			TOTAL MEAN
1951 1952 1953 1954 1955 1956 1958 1958	155,5 158,4 154,8 122,8 166,9 115,5 91.7	175.7 193.4 103.7 157.2 141.7 141.8 121.3	125.3 125.2 106.7 118.7 118.3 137.5	97.3 109.6 111.5 116.4 126.3 93.1 123.4 138.3	87.0 84.5 141.4 131.2 118.7 99.0 92.7 107.9 108.3	91.3 62.7 75.8 115.1 120.7 99.1 70.3 63.8 90.5	78.1 78.1	53.7 49.0 48.8 72.0 129.9 80.8 63.7 61.8 40.2	46,6 39,4 45,2 60,3 89,7 61,5 31,7 46,2	53.4 40.7 61.6 96.1 63.3	39,1 128,7 54,8 155,0 161,5 80,6 51,8 74,8 51,2	90.8 110.1 81.2 198.4 101.3 114.0 109.4 164.6 158.6	107.3 1012.7 1012.7 1012.7 1012.7 1012.7 1227.6 1127.6 111.7 1113.3 1113.3 1113.3 1114.4 191.2 191.2
1961 1961 1963 1963 1964 1965	135.0 142.5 130.2 122.2 104.8 156.1	116.2 121.6 123.6 121.7 117.7 154.5	140.8 93.5 111.9 143.0 150.4 117.3 171.5	141.0 107.8 118.9 149.5 121.9 105.0	141.9 99.1 86.4 90.0 144.5 57.3	92.3 70.8 71.8 57.3 124.5 56.7	43.1 92.5 61.4 63.5 67.1 46.6 72.6	52.7 40.4 67.9 54.4 73.3 38.9 71.3	42.5 33.8 60.6 52.9 72.5 34.0 43.5	38.8 32.7 58.0 57.7 172.0 31.9	#2.6. 54.9 93.2 61.9 144.3 39.9	85.7 82.6 114.8 102.5	1100.9 91.7
1971	121.2	210,6	134,7 113,9 184.3 148,4 206,5	198.1 104.5 184.2 185.7 188.9	105.0 129.1 121.1 117.3 209.2	91.4 93.4 123.4 110:1 185.2	77.5 -1.0 59.5 103.2 -93.2	48,5 74,4 54,7	4.45.2	57.1 75.4 101.3	96.6 66.0 63.8 106.0 151.2	93.5	1237.4 108.8
	130.4			128.4	7 Til + 15 + 1	•5.•3 - 29	#1.5	162-1		62.0	19.2		109.7

YEAR	JAN.	FEO.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	DCT.	NOV.	DEC.	TOTAL HEAN	
1952	212.4	296.0	194.6	155.1	117.1	127.9	8.59 6.80	09.6 37.7	56.7 57.3	49 .8 59 .0	47.5 197.6.	140.8 197.7	1560.8 130.1 1708.6 142.0	
1953	140.0	179.6	173.1 181.4	215,7	227.5	156.0	104.9	. 56.9 98.0	250.3	42.0 73.D	179.5	287.7		
1955	226.0 216.7	230.6	210.1 164.8	242.3	209.5	194.4	228.9	142.3	129.0	94.3	210.7	104.6	1904.4 138.7 2029.6.194.1 1070.8 159.9	516 624
1957	177.7	252.0 181.4	241.4	186.7 217.3	158.6	122.2	102.4	96.5	100.4	11110 A 42,3 69.7	123.3	119.9	1647.9 147.3	
1759	220.1 - 170.3	229.7	200.9	145.5	233.2	133.5	108,3	58.4	31.2	45.8.	65.2	191.4	1078.2.139.4	1. N
1960 1961 1962	194.1	150.8	136.0	214.6	137.5	81.6	60.3	72.5 45.5 64.6	30.4 48.4	30.5 45.0	117.3 50.9 98.2	102.1	1194.2 199.7	248
1963	232.1	213.5	254,3 165,1	170.4	195.5	67.8 159.2	93.2	53.5	44.4	. 40.2	44.1	712.6 75.7 127.3	1354.7 112.9	
1964	214.4	221.5	196.6	109.0	133.9	73.4	03.0 07.2	57.1	42.9	117.6 40.5 65.7	91.0	121.4	1349.4 118.4	
1967	227.6	178.1	176.2	195.6	232.6	72.0	56.7 208.1	47.1	46.0	14.3	01.9 176.B	140.1	1379.8 115.0 2077.0 178.1	
1968 1969 1970	217.2	102.0	201.0	221.0	117.7	117.5	76.0	111.3 71.8 53,4	62.5 60.4	73.2	100.7	148.0	1663,4 138,6 1599,0 163,2	
1971	213.2	194.1	505.9	140.8	127.1	120.5	92.3	47.8	49.7	91.9	132.6	196.1	1610.0.134.2	
MEAN	184,2	195,7	708.9	182.0	157.7	121+8	101.4	74.6	67.7	65.9	106.1	358,5	135.0	
		er ja 2. Politikasias												
	• HONTH	LY MEAN	DISCHARG	E AT	JELI									
YEAH	JAN.	FEA.	HAR.	APA.	444	JUNE	JULY	Aug.	SEP.	OCT.	NOV.	DEC.	TOTAL HEAN	
1951 1952	301.6	365.7 449.2	277.9 504.9	171.0 241.0	117.7	109.8	114.4	65.3	59.3	50.A 84.1	347.2	178.5	2669.6 222.5	
1953 1954	190.0	251.0	199.5	225.3	306.5	195.6	121.9	57,6 108.7	85.1	74.8	353.8	401.4	2529.1.210.4	
1955	307,5	370.3	243.0	362.n	211.4	215.9	212,6	177.2	193.7	218.0	478.8	277.6 348.4	3000,5 305.5 2643.0 720.3	
1957 1958	255,R 146,4	338,0 266,1	376.0 104.0	296.3	184.0	107.0	108,0	137.7	76.1	109.1	147,9	293.9	2352.6 196.0 2301.0 191.7	7
1950	303.0	433,9 293,3	356.6	267.9	344.0	183.4	120.1	60.1	65.2	57.2	158.3	304.5	2827.4.199.8	
1961	284.6	240.1	242.0	328.7	209.4	100.9	90.5	76.4	50.4	60.5	192.0	126.7 350.6	1611.2 134.3 2253.0 187.7	
1963 1964	102.5	349.0	297.3	302.2	139.8	85.0 157.6	00.1	54.4 55.4	45.6 84.4	366.8	207.1	112.0	2731.2 165.9 1917.4 174.3	
1965	285.A	235.0	343.5	204.2	174.9	120.2	75.D	53.n	49.7 55.4	49.7	100.7	257.3	2072.3 172.7	
1967	244.5	168.2	186.8 284.3	191.0 200.2	306.6	302+D	295.0	179.3	112-1	43.5 162.8	179.6	301.9	1270.7 115.5 2785.9 238.2	
1969 1970	255.6	242.6	351.4	279.0 -1.0	107.1	143.0	-1.0	67.2 -1.0	56.3 -1.0	67,2	-1.0	135.5	1990.8 105.9	
1971 HEAN	276,7 271,4	306.7 241.A	29 ₀ .8	257.0	226.9 212.3	182+1	106.1	65,7 96,4	70.7	141.8	155,5	7 ³ 1·0	2247.4 167.3	
	-/	****	,		,,,,,		1 401 8	70,7	/,	e p <mark>er e</mark> Dane de		*****	140.0	
••	#041	LY MEAN	DISCHAR	3E AT	JONGBI	٠ ان	3.3 1 • ,•							
YEAR	JA4,	FER.	YAR.	APP.	HAY	JUNE	JULY	AUG.	SEP.	ОСТ.	HUV.	DEC,	TOTAL HEAN	
1951	290.1	334,6	229.1	203.5	105.2	155.7	96.9	73.9	46,1	43,9	39.9	153.2	1709.9 142.5 2210.4 184.2	
1953	257.0	213.9	762.4 725.1	211.4	336.0 291.8	119.3	117.3	52.9 116.7	41.B	35.4 76.0	38.5	120.6	1705.4.142.1 2410.6 217.5	
1955	279.3	287.6 235.3	210.2	200.5	221.2	216.9	325.8 188.0	230/2 152.0	149.7	169.4	393.9	214.4	2967.1 247.8 2098.6 174.5	
1957	197,2	282.0	452.9 267.7	248.5 280.9	190.6	100:1	293.3	123.4	77.6	_ 65,5	73.5 159.2	240.0	2768.9 109.1 2210.6 104.2	
1959	343,9	318,7	374.7	562*2 559*2	283.4 394.5	225,6	153.0	94.3	96.2 89,8	81.5 85.0	128.9	108.7	2592.6 214.1	
	260,8	246,7	247.6	280.5	195.0	131-0	90.6	79.5 91.2	70.1 71.8	77.7 86.6	75.3 158,3	354.7	1786.9 148.9	
1963	119.7	351,2	459.7 283.6	230.6	230.3	128.2	100.0	78.9	74.B		179.1	160.9	2287.2 190.4	
4044	270.4	360.0	269.3 339.2		180.9		110.5	104.5			167.6		442.8.48.6	
1966	242,5	235.3	396.5	284,4	363.5	74.1 319.7	373.6		141.1	977.8 (204.1	355.4	3535,7 978.0	. , \
1970	273,7	299,1	348.1	319.9	302.4	222.7	140.7	120.0	120,5	113.2	214.8	270.2	2771.8 214.8	
	260.3	249.2	. v2Z.7 3n3 4	250.4	2/4.5	221.2	101.5		140.4	232.0.	277.4		2410.8 200.7 1844.5 158.7 3385.7 978.0 2571.3 214.3 2791.2 258.4 2127.6 248.8	
HEAN			49044			. 10*** 	17/10	107.0		**************************************		*****		
Marian San	から (27) 対抗 数点					· 30 -								
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MONTHLY MEAN DISCHARGE AT

•=	- HONTH	LY MEAN	DISCHARG		*ERTOSO	MO	••	AUG,			- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		7074	
YEAR	JAN.	FER,	MAR,	APR.	781	JOHE	3061	400,	51.3	0CT,		96C.		
L951 L952 L953 L954 L955 L956 L957	323,9 284,4 209,6 209,6 334,4 325,0 257,1	424.8 447.1 263.2 286.5 345.7 311.6 301.1	789.5 510.8 319.3 227.1 295.8 238.0	231.1 272.0 226.6 304.4 163.1 308.1	109.9 134.5 377.0 299.4 267.1 185.4 225.8	157.1 117.7 116.6 193.2 241.5 217.9	48.7 65.3 125.7 390.2 234.2 338.3	74.7 27.9 52.9 125.9 270.4 164.4 191.8	34.1 36.1 69.8 177.0 114.7 93.3	57.7 32.8 61.9 186.0 129.6 67.7	295.5 53,9 337.3 424.9 162.6 67.0	223,5 102,4 479,4 258,8 330,8 250,6 294,8	1021,1 1	57,9 (01.1 (00.1 (28.2 (01.3 (14.4 (26.7
958 959 961 962 963 964	100.0 447.0 363.0 292.4 292.3 444.5 181.0	294,5 385,5 213,5 269,5 301,1 425,8 213,5	302.6 455.5 352.4 264.1 289.2 504.6 414.3	293.7 323.7 293.0 261.5 376.9 341.8 350.6	210.6 392.0 399.3 212.7 288.8 201.8 309.4	154.7 350.9 210.4 130.1 152.1 122.6 299.0	148.9 227.5 199.3 108.6 111.6 100.5	122.5 137.7 117.6 82.0 69.4 89.4	82.7 96.8 84.8 60.8 50.5 67.2	120.3 63.5 70.3 52.9 61.3 77.6 384.4	100.6 91.7 200.8 58.8 168.0 82.2	797.0 108.1 132.1 359.9 136.6 367.2	3266,8 2 2669,4 2 1930,5 1 2521,1 2 2596,8 2 3208,4 2	72.4 722.4 140.4 710.1 716.4 767.4
965 966 967 968 969 970 971	552,4 315,4 353,1 358,0 612,2 326,5 458,1	693.4 441.7 279.1 398.A 534.1 394.0 605.8	475.8 -1.0 248.4 715.7 573.8 444.7 497.8	362, n -1.0 300.7 544.7 676.7 461.0 376.7	184.2 +1.0 163.7 591.0 244.0 435.2 384.1	167.5 -1.0 130.7 503.6 214.6 362.4 328.8	125,5 -1.0 108.1 574.7 159.9 215.2 179.1	102.0 w1.0 108.4 437.3 126.8 147.1 149.1	96.1 -1.0 112.6 180.4 123.0 141.6 153.4	85.0 -1.0 110.0 242.6 122.6 141.5 230.6	143.4 -1.0 104.3 271.3 187.8 208.1 435.1	274.0 -1.0 378.5 524.8 294.1 283.3 449.6	757.1 3 2457.6 2 5345.7	778.5 704.8 145.5 322.5
EAN	340."	245.4	395.7	330.9	280.6	754.5	107.4	130.1	97.4	110.8	193,5	286.1		147.1
			DISCHARG		NORAL	:								·
YEAR	e euste JA14	FEH.	√AR.	AP-I,	MAY	JUNE	July	AUG.	£∈P.	oct.	NUV.	DEC.	10744	MEAN
1951 1952 1953 1954 1955	494.1 505.7 370.6 507.4 551.9	683.6 654.9 395.5 496.4 553.4	474,8 776,0 436,4 400,9 519,4	157.0 366.1 498.1 365.1 532.0	11 ⁷ ·1 155·0 666:6 434:0 354:9	212.4 119.0 137.1 232.7	101.9 55.3 106.4 108.6 570.8	67.1 40.0 45.3 121.8 347.0	49.6 39.8 35.2 65.4 176.2	36.6 57,4 31.8 64.2 193.7	39.4 425.4 54.5 5(2.4 604.2	726.6 403.2 194.5 774.7 333.7	2654.1 3655.7 2987.3 4079.1 5055.9	584.6 248.9 339.9 421.3
1956 1957 1958 1959 1960 1961	524.0 345.3 233.0 792.3 536.2 418.3	505,4 546,2 591,0 715,3 297,2 447,3	359,3 R60,1 569,1 667,2 645,2 327,1	147.9 351.1 597.2 391.6 460.9 296.3	184.9 186.2 327.1 423.4 545.4 246.7	341.9 88.8 141.7 288.3 150.3 87.3	210.8 359.0 201.3 135.6 132.1 20.0	104.0 139.4 110.9 56.0 60.7 37.6	87.1 52.9 51.5 45.1 41.0 31.3	105.1 36.7 81.5 36.3 38.0 25.6	139.7 51.9 129.5 69.4 151.7 37.1	413.6 302.7 392.1 436.3 173.9	3;63,7 3328,9 3425,9 4056.8 3232,6 2108.8 3087.6 3251.8	777.4. 205.5
1962 1963 1964 1965	474,8 597,1 124,8 393,4 263,0	499.0 727.4 183.4 479.3 525.6	385,7 647,8 473,1 352,1 585,3	543.8 494.4 276.5 197.7 411.6	306.9 163.2 224.4 75.0 166.4	128.3 101.3 240.1 70.4 105.2	90.4 26.3 57.1 44.6 24.9	56.9 44.2 41.7 52.6 33.8	32.7 33.0 44.0 27.0 25.8	40.8 30.4 375.9 23.5 45.6	147.5 33.4 217.1 33.7 72.1	377.8 122.9 155.2 156.8 304.5	2414.4 1886.1 2595.8	7(1.7 127.2 716.3
1967 1968 1969 1970 1971	400.0 219.6 385.9 275.6 487.3	420.9 404.5 480.7 449.0 668.8	372.5 500.0 474.3 302.9 407.0	381.4 476.9 482.1 374.4 321.4	144.9 473.0 132.8 321.2 357.6	59.5 336.9 123.9 145.5 238.0	40.9 386.3 53.3 82.1 75.1	32.7 196.4 35.7 36.4 41.4	27.5 90.9 29.7 42.0 37.3	22.6 103.1 33.2 40.3 110.8	26.9 165.5 53.5 141.2 278.9	104.9 410.7 105.4 163.8	2154.7 3646.5 2390.5 2375.0 3504.5	320.5 149.2 147.9
MEAN	426,4	510.7	520.1	387.7	285.7	174+6	141.8	82.7	50.7	75,3	100.3	794,4		759,1
			DISCHAR		чіяты								*****	
1951 1951	93,4 JAN,	FEP.	~AR.	дрн. 78,9	43,9	Juve 66.7	JULY 30.3	AU¶. 6.≅	56P.	1.1	∿0V. 0.4	NEC. 23.3	10TAL	.MEAN
1952 1953 1954 1955 1956 1957	97.2 58.6 79.6 97.4 66.6 52.4	122.2 62.8 81.7 89.0 67.9 92.7	111.7 65.7 79.5 82.3 65.6 148.5	63.6 83.7 74.1 89.9 34.1 84.3	25.7 108.4 68.2 69.2 34.8 47.9	26.3 47.8 43.2 47.0 64.4 15.2	4.6 24.2 48.2 71.0 26.9 01.2	2.7 1.5 11.3 19.9 34.4 18.7	0,4 0,6 32,0 0.7	0.5 1.8 0.5	42.1 7.4 83.9 88.3 12.7	51.6 29.7 123.0 10.8 59.5 41.8	568.0 491.2 708.1 662.3 500.7 568.3	40.9 29.5 55.2 41.7 49.0
1958 1958 1960. 1961 1962 1963	30.7 133.0 109.9 48.7 92.2 105.2	79.4 196.8 114.1 82.4 113.5 128.4	99.9 145.2 130.9 74.3 77.1 149.1	110.4 102.5 114.4 89.9 79.9 90.3	83.2 84.1 124.8 45.0 46.1 38.3	35.0 65.6 63.1 15.1 22.6 30.6	3.0 22.5 21.2 0.6 10.7	1.0 0.8 0.5 0.9 7.4	1.0 0.5 0.4 0.7 6.3	0.7 0.5 0.4 0.3 3.9 5.5	0.6 7.1 7.9 0.4 18.3	40.4 86.8 12.0 2.4 40.1	490.0 445.4 700.0 360.1 503.2 595.3	70.4 58.3 40.0 41.9
1964 1965 1966 1967 1968 1969	12,7 41,3 26,3 62,4 39,6 43,0 34,2	12,8 69,5 63.4 55,6 56.0 40.5 65,8	66.8 38.0 74.9 35.2 65.8 46.5 57.7	36.9 26.2 33.6 49.7 80.2 38.0 29.8	10.3 12.5 17.7 21.2 40.0 14.9 27.9	17.3 13.9 6.2 24.4 17.2	20.7 5.5 19.4 2.4 38.5 7.8 2.5	9.3 4.7 1.6 1.8 20.4 2.7 0.5	-1.0	87,4 2,7 4,5 3,8 16,9 2,0	51.0 2.6 13.1 3.5 17.6 4.4	42.3 10.9	275.7 309.3 274.3 445.9 227.3 237.8	20.5 25.8 22.7 47.2 18.7 29.7
1971 HEAN	42.7	66,4 85,2	43,6	24,5	36.0 45.2	33.9	11.0 20.0	9,9	4,5	17.0 8,6	20.2	49.1 39.7	346,2	28,8 40,7
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YEAR	JAN.	LY MEAN FEB.	-MAR.	APH.	PERMING	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL	HEAR
1951	143.0	190.0	124.0	94,0	55.5	87,9	39.1	12.1	5,5	3.0	2.1	77.2	838,8	
1952 1953	93.2	98.9	100.0	120.0	34.2	40.2	33.2	3.4	5.1 1.4	17.5	11.3	108.0	754.1	02.6
1954	179.0	172 0 145 0	135.0	125.0	128.0	96,1 81,7	106.0	65.0	15.n 3.5	12.9	112.0	30.9	1207.3	86.6
1956	111.n	145.0	100.0	117.9	60.9	26.3 96.9	78.8	52.3	13.5	2.6	12.0	01.1	1004.4	67.6
1958	75.8	151.0 214.4 178.2	139.5 208.8 197.6	148.6 126.5 178.6	96.2 128.4 185.7	91.9	16.9	9.7 9.1 7.0	3.A 7.3 5.9	6,7	25.4	124.5	775.6 1192.2 1076.4	99.3
1960 1961 1962	155.5 83.9 148.5	133.1	96.7	82.2 121.5	66.5	50.3 22.6 31.6	33.8 5.9 18.4	4.3	3.4	2.6 2.5	20.8 5.4 28.3	33.2 38.6 76.6	547.6	69.7 45.6 64.3
1963	141.1	169,2	130.2	120.0	52,8	31.2	17.2 31.5	10.1	9.3	7.6	78.2	30.9	620.6	DR.9
1965 1966	67,0 46,9	127.6	74.1 130.2	- 48.2 59.7	23.9 38.5	23.9	9, 7 4,4	2.1	6.7 3.0	5.A	7.5	70.0	444.3	37.0 43.9
1967	107.7	103.5	113.9	81.4 95.5	36.7	16.0	07.8	7.4 39.4	23.2	5,8 41.1	5.7	76.9	513.2 793.5	42.8
1969 1970	90.7	82.5 112.8	100.1	20.7	31.2	36,6	16.9	10.7	3.5	6,4 -1,n	16.3 -1.0	29.4 -1.0	452,5	37.7
1471 Hean	68.2 109.7	106.8	124.6	70.2 78.4	75.6	51.4	24.6 35.1	17.2	10.5	35.1	45.7	82.4 72.9	600.6	55.5
	1071	1001			.,,,,	241	-5711	• • • • • • • • • • • • • • • • • • • •	•••		00.1	7217		33,0
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••	• HO-11	HLY MEAN	DISCHARG	SE AT	±EPAJA#	RAN	**	i						
YEAR	JA'.	FER	"AR.	*bo	MAY	an,ie	JUL Y	AUG.	¢Fb.	OCT.	NOV.	pec.	TOTAL	HEAN
1951 1952	347.5	479,5 470.5	119.5	36,7 244.3	70.3	81.8	11,7	5.5 0.4	0.4	10.6	0.5	112.7 350.0	1407,3	
1953 1954	237.A 361.5	257.2 345.3	262.2	404.4 283.3	512.5 505.9	128.7	27.0 21.5	40,5	1.5	7.6	357.6	105.0	1908.2	720.2
1955 1956	361,5 397.6	390.0 383.5	371.4	195.7 58.9	80.0	210.2 213.4	441.0 117.4	200.4	25.7	134,4	484.0	294.0	1989.3	105.6
1957 1958	130.5	390.7 457.1	404.2	152.7	196.6	10.5 51.6	132.0	37,6 44,2	1.7	26,0	75.2	191.4 281.4	1978,2	184.5
1960 1960	301.	409.5	457 ,R 444 , 7	139.7	353.6	156.7	41.7 39.H	1.7	0 . d	0.5	16.7	93.3	2483.6	178.0
1961 1962	300.4 317.0	313.5	174.2 254.7 594.9	174.2	133.7	33.5	12.1	4,9	0.5	0.3	75.2	28.2 261.5 69.4	1113,4	152.9
1963 1964 1965	394.4 57.6 266.5	502.7 130.1 341.3	334.3 734.1	325.2 105.7 189.7	60.7 139.9 10.6	184.1 23.9	0.7	4.0 4.0	0.3 ቤ.ቁ ኮ.ኤ	7.3 213,9 0.3	0.3 107.5 0.6	72.A 74.1	1978,1 1317,6 1167,8	169.8
1966 1967	107.4	397.4	438.4 267.9	306.7 277.4	79.1 74.6	20.5	1.1 1.0 0.3	0.4	r. 4 0 3	0.3	14.0	200.2 72.9	1626.2	135.7
1968 1969	114.A 273.4	291 9 368 6	451.9. 152.7	412.7 372.8	164.7	256.2 46.5	271.6	114.9	23 9 0 4	35.6	47.1	299.7 30.7	2733.2 1558.1	227.8
1970	177.4	312 7	364.7	246.1	237.3	59.5 150.6	9.0	0.4 1.9	1.1	-1.7	-1.0 172.9	-1.0 781.4	1459,5	182.4
MEAN	293.5	372,4	17-,A	265.3	175.5	An.1	05.B	28.4	9,4	27.1	.7.3	194.0		167.0
	~			1									100	
••	H0'-7	HLY MEAN	DISCHAR	3E AT	SELOMEDJ:	О ПДН	•••					· \	•	
YEAR.	JA2.,	Fed,	-AR,	AP4,	MAY	Ju 15	Jul T	AUG,	SEF.	001.	NOV.		TOTAL	
1951 1952	12.5	16.¢	12.6	9,4 11.5	6.A 9.1	8.0 7.3	6.4 5.2	4,4	5.1	4.7	6.3	10.9	105.9	
1953	11.0	13.9	15.9	12.9	11.5	7 7 7 8	6,5	4.6	4.6	3,3	7.2	11.5	111.2	11.2
1955 1956	14,3	16.5 18.1	15.9	13.5	10.5	9,4 10.0	14.2	7.0 6.6	5.9	7.3	13.2	11.5	136.1 128.5 146.3	11.3
1957 1958	9.6 8.6	15.8	27.5 11.4	14.2	11,0	8 A 5 3	10.3	6.6	2.2	7.7	0.5	11.9	104.2	4.7
1959		33,1	25,6 19,2	KU+0	11.7	9.6	8.5 9.0	7.8	6.4	6.3	5.7 7.9	7 . 3	149.1	13.5
1962 1963	16,6	10.5 23.7	11.8	15.7	10.3	5,3 9,3	7.3 9.5	9.7	7 4	7.7	10.3	13.6	146.2	8.2 12.2 12.4 7.2
1964 1965	27,4 8,6 15,7	25.0 7.5 14.9	17.8 9.4 18.3	13.6 9.5 10.0	10.6 8.8 7.5	9 4 6 6 6 8	4.7 6.0	3.9	6.7 4.7 3.6	13.n 3,1	5.5 5.3	6.1		
1960	14.4	17.2	15.0	7.7	6.1	6.2	5.0	4,6		4.4	5.7 4.6	7,6 10,9	100.4	6.7
1968	14.0	23.4 13.6	22.4 17.8	15.9	14.3	11.1	7.0	3.9	5.0	6.7	11.D	12,4	154,5	6,7 8,4 12,0 8,1
1970	11,5	10.5	16.1	12.7	10.9	7.A 9.2	6.7	6.7.		9.7	11.4		120.0	10.0 12.2
MEAN	14.1	17,5		12.3	10.1	8.2	7.4	6.0	5.4	0.1	8.6	10.9		10.7

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YEAR	JAN.	FEB.	MAR.	APR.	HAY	JUNE	UULY	AUG,	SEP.	OCT.	NOV.	pec.	TOTAL	MPAN
1951	-1.0 -1.0	-1.0	-1.0		-1.0 -1.0	-1,0 -1.0	, -1,0 -1.0	-1.0 -1.0	-1.0 -1.0	-1.n	-1.0	-1,0 -1.0	0.	0.
1953	-1.0 -1.0	-1.0 -1.0	1.0	-1,0	-1.0 -1.0	1.0	-1.0 -1.0	-1.0 -1.0	-1.0 -1.0	-1.n -1.0	-1.0		υ. 	
1955	23,8 28,1	18.6 26.4	14.3	25.2 13.4	18.1 22.2	23.5	76.7 32.6	28.6 15.5	22 3 8 8	30.6	36,5	16.0 39.9	334.2	27.8
1957	17.3	36.5 16.3	56.9 22.5	24,4 26,5	10.7	2.7 8.6	44.2	14.9.	2,6	0.7 10.n	2.4	18.7 33.5	237.0 237.9	19.3
1959 1960	50.7 82.6	33 n 39 p	52.9 42.4	37,5 35,3	31.0	21.1	19.5	21.0	1.3	2.4	13,2	. 37.0 9.5	297.3	24.8
1961 1962	22,2 17,9	20 4 21 4	20.1 23.0	28,5 30,7	19,4 32,1	7.5 9.9	0.1 4.y	1.8	0.5	0.2	16.5	0.3	127.8	10.6
1963	65,0 =1,0	41.3	68.9 -1.0	37,5 -1.0	6,2°	1.9	U 4	0,2 =1.0	0.1	-1.0	-1.0 -1.0	-1.0	221.5	24.6
1965	*1.0 18,4	-1.0 -1.0	-1.0 20.3	5.n 2p.3	1.8	0.1	0.3	0.1	1.0	-1.0 18.2	-1.0 -1.0	17.7 -1.0	25.0 .00.3	4,2
1967	-1.0 2.3	-1 0 -1 0	-1 0 -1 0	-1.n -1.0	-1.0 -1.0	-1 n -1 0	-1.0	-1.0	-i 0 -1 0	-1.0	-1.0 -1.0	-1.0 -1.0	. 0.	0.
1969	*1,0 28,0	-1.0 -1.0	29.4 37.7	40.9. 51.5	10.9 58.9	1.3	-1.0	-1.0	-1.0 6.9	-1.0	-1.0 -1.0	-1.0 -1.0	82.5	20,6

Discharge at Parit Raya

TEAR	JAN.	PEB.	MAR.	APR.	HAT	JUNE	JULY	AUG.	SKP.	OCT.	NOY.	DEC.	TOTAL	MRAN	., .
1966	11.9	31.9	44.0	45.2	11,5	3.5			_			-	148.0	24.7	· -
			. = /												
1968	11.3	23.8	44.0	32.5	64.7	47.9	67.3	20.7	6.9	15.1	-	36.6	370.6	53.7	
1969	26.7	37 .2	48.7	. 5.4	3.9	17.5	-	-			2.3	7.1	149.2	18.7	ه
TOTAL	49.9	92.9	136.7	83.5	80,1	68.9	67.3	20.7	6.9	15.1	2.3	47.4	671.7		17 (1)
MEAN	16.6	31.0	45.6	27.8	26.7	23.0	67.3	20.7	6.9	. 15.1	2.3	15.8	4.1	25.8	

## Discharge at Tulungagung

EÁR	JAN.	FEB.	MAR .	APR+	MAY	ゴロが 日	JULY	AUG .	SEP.	OCT .	NDV ·	bec.	TUTAL	MEAN
951	65,2	117.4	83.0	21,4	10.0	53.3 10.5	19,9	11.7	9,5	4,4 15,9	2.6 62.7	27.2	392.4	32,7
952 953	92,3	63.7	64.9	48.7	73.8	16.4	4,5	1,8	0.9	0.4	<del></del>	14.7	325.7	45.3 27.1
954	41,5	48.8	7.8.1	41.9	57.6	43.6	14.3	25.8	11.4	6 1	53.9	66.6	454.1	37.0
955	49.0	38,1	30.5	46.6	54.6	55.4	AU.S	00.0	32.9	38.7	77.6	27.6	555.5	46.3
956	44.9.	.54,3	30.3	14.1	21,6	22,0	-30 L	21.6	8.5	12.2	10,0	45.9	. 324.2	. 2.7 . 0
957	21.9	49.1	71.6	40.2	8,3	2.7	41.7	24.1	3.3	1.2	0,9	19.9	284.7	23.7
958	14.1	44,0	58.4	53.3	27.0	20.6	34.3	25,1	4.2	16.7	32.4	47.2	351.3	_31.6
<del>\$6</del> \$	78.4	71.0	75.0	34,2	52.6	51.1	78,4	5,3	2.7	1.9	7,6	40,5	449.6	37
960	62.8	66.9	69.0	40.2	88.9	31 n	11.0	26,8	6.5	6.1	15.5	10.7	443.8	
961	40.4	41,5	44.4	47,9	35,1	5.8	2,2	1,2	0.5	- 0.4	0.5	4.7	719.4	18.
962	26.0	33,5	32.2	105,0	25,8	11.5	Α. 0	5,1	0.7	-1.0	27,4	44.4	310.6.	
963	50.5	55 B	62,5	36.2	3.7	1.8	U,5	Π,4	0.3	0.2	0.1	~1.0	218.0	19.
964	7.5	6,2	35.6	21.0	35,8	21.9	<u> </u>	0.6	7.2	40.9	18.0	13.1	210.4	_17.5
965	37,5	, +1,0	79.7	15,4	3,1	1.6	0.7	0.3	-1,0	1 n	0.5	.8,4	97,2	10.0
966	18,2	+1,0	23.1	17.2	-1,0	2.0	បុរុម	0,5	0.9	2 4	9.7	33.4	108.7	.10
967	17,8	-1,0	11.2	16.3	5,4	0.9	U.b	0,5	0.4	0.3	1,6	8.2	65.2	5
964	9,3	9.1	.50.5	28,9	26.3	22.5	.34.4	12.5	3,6	15.4	16.5	16.7	215.2	17.
969	21,4	10.0	14.5	25.7	4,5	3.0	1,1	0.6	υ,7	0.7	6,0	9.3,	97.5	8
970	15.1	24.4	17,5	19,5	22.4	15.7	4.2	1.1	2.2	4.5	22.2	24.3	173.2	16-

TOTAL 751.3 817.2 906.5 710.2 551.4 371.3 341.4 231.9 104.1 169.0 390.9 531.7 5876.9 25.3 MEAN 37.6 48.1 45.3 35.5 29.0 18.6 17.1 11.6 5.5 9.4 19.5 28.0

EAR	JAN,	FEH.	"HÁR.	APR.	MAY	JUNE	JULY	AUG,	SEP.	nct.	NOV.	DEC	TOTAL	HEAN
951	59,9	84.8 122.6	57.3 92.0	36,4 54,1	18.6 25.0	47,8 16,7	22,9	24.3 3.8	20.2 5.3	10.5 13.9	6,3 95.3	41.0 81.1	433.0	34.1 50.7
9 <u>52</u> 953	46,9	61.5	95.3	55,1 46,8	74.2	33,3 58,3	10.1	6,9	5,6	5.4	6,7	18.9	439.9	36.1
)54 )55	42,2 71,3	57.6	48,3	.77.4	54,9	55,7	30,3	23.0 76.3	14.0 50.2	59,8	130,7	90.6. 46.8	.520.3. 902.9	75,2
756 757	64,8 55,8	78,3	53.4 117.8	30,3 69,8	44,4 19,2	41.5	57,8 122,6	45,5 38,2	17.0 12.5	29.6	29,4 11,1	90.2 41.5	584.2 593.4	48.7 49.4
958 <u>-</u> 959	42,1 -1,0	-1.0	12,4	29,4 -1.0	47,9 -1.0	-1.0 -1.0	34.5 -1.0	72,9	79.2 -1.0	79.n -1.n	57.7 -1.0	-1.0	. 494.6 0.	<u> 45.0</u>
96g 96g	90.8 63.8	89.4 52.7	103.2 59.7	59.7 55.7	108,5 43,2	42.7	24.8 5.7	5,2 4,3	1.H 4.5	1.6	21.9 4.5	16.8 12.6	566.4 - 321.0	47.2
962 963	42.9 92.4	55.7 .75.7	46.9	63.9	42.7 10.6	23.3	12.0	12.2	5.2 4.1	15.8 3.8	39.8	68.2	433.6	36.
26A_	68.5	3.7	17.1	84,3 26,1	27.6 B.9	23.5	13.3	23.9	58.9 2.0	37.A 2.7	46.9	-1.0	372.6	31.
965 966	49 5 · 40 9	-1 0 7 5	63.7	67.0 27.4	-1.0 15.4	13.5	6.7 3.7	3.2	4.4	18.4 2.3	23.3	56.0	301.1	30.1
767 768	24 3 51.6	25 7 37 2	56,0 54,4	44.9 54.9	61.0	50.0	R4 a	35.2	13.0	37.2	34,8	13,5 60,9	151.8 528.4	17.6
969 970	39,6	47.4	37.6	48.0	14.2 43.6	13.9 29.9	50,4 13.0	5.6 8.2	4,5 12,4	6.H 19.5	17.6 39.4	27,6 33.n	344.7 371.7	28.7 31.0

TOTAL 1039,9 1140,0 1145,2 992,9 724,0 486,8 69/2 399,0 318,5 360,5 626,5 761,9 6692,4 38,8 HEAN 54,7 63,3 60,3 52,3 40,2 27,0 36,7 21,0 16,8 19,0 33,0 42,3

## Discharge at Wadi

5.0 22. 9.8 15. 7.6 17. 1.6 19. 7.8 16. 5.8 25. 6.7 33. 0.2 15.	2 73,7 7 17.1 2 10.7 1 11.7 0 12.5	4,4 9,2 10,9 12,4 22,3 12,0	2,3 4,7 18,9 17,3 16,7 20,3	14.5 2.4 5.3 16.2 20.8	2.5 1.4 5	3,2 0,4 0,5 12,5	4,2 0.6 0.5 2.7	1.6 5.0 0.4 1.7	0.7 22.1 2.0 35.8	6.3 12.9 6.7 52.4	91.0 116.9 90.1 190.4	7,6 9.7 7,5
7.6 17. 1.6 19. 7.8 16. 5.8 25. 6.7 33.	7 17.1 2 10.7 1 11.7 0 12.5	10.9 12.4 22.3 12.0	18.9 17.3 16,7	5.3 16.2 20.8	2,5 1,4	0.5 12.5	0.5	0.4	2.0	6,7	90,1	7,5
7,8 16. 5,8 25. 6,7 33.	1 11.7	27.3 17.0	16,/	20.8								
5,6 25. 6,7 33,	0 12.5	17.0			40.7						174149	15.9
6.7 33,				40 %		23.4	20.4	30.6	34.6	14.3	295.4	24.6
		23.2	9.4	19.3	31,3 40,2	14.4	7.6 2.0	17.H D.6	10.0	36.4 17.7	227.4 216.3	18.9
0,2 47,	2 19.8	24,9	13,1	7,5	32,0	20.0	4.6	15.6	21.5	31.8	216.2	18.0, 18.0
8.0 30.	3 50 6		30,6	19,5	17,5	1,6	0.7	2.2	7,1	33,9	264,4	22.0
										6.1	252.0	21.0
												17.4
												4 D
1.0 -1.	0 -1.0	-1.0	-1,0	-1.0	-1,0	-1,0	-1 ò	-1.6				19,4
		5.1	1,8	0.7	4,5	0,1	-1.0	-1.7	-1.0	21.3		10.6
									-1.0	-1,0	105.4	15,1
										-1.0	0.	0
												5.5
	-											18.0 21.8
0027102151	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7

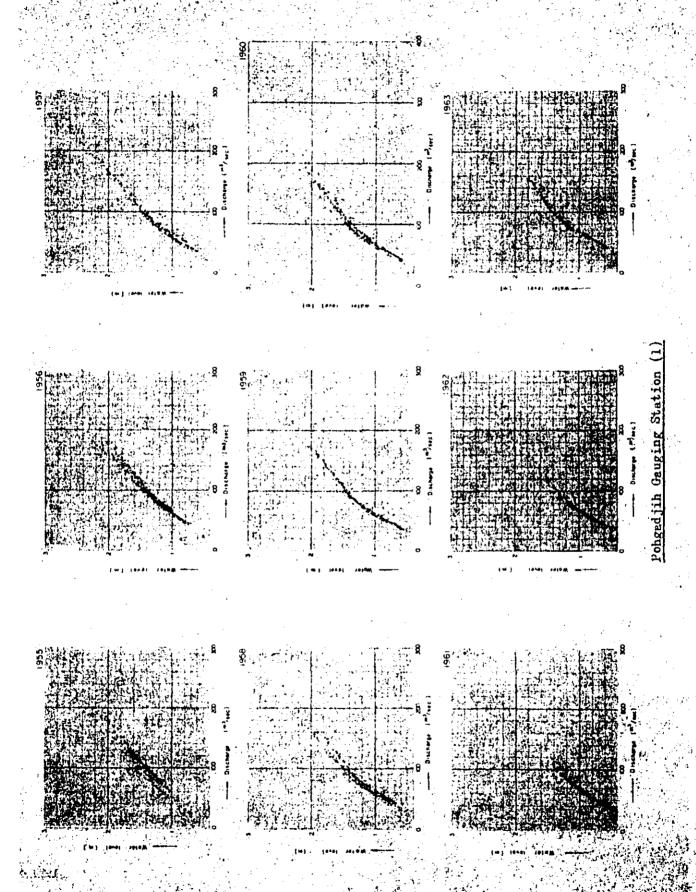
OTAL 351,5 319,9 408,7 308,6 260,7 153,0 23/,2 126,7 75,7 126,8 183,4 250,7 2803,1 15,6

## Discharge at Widas

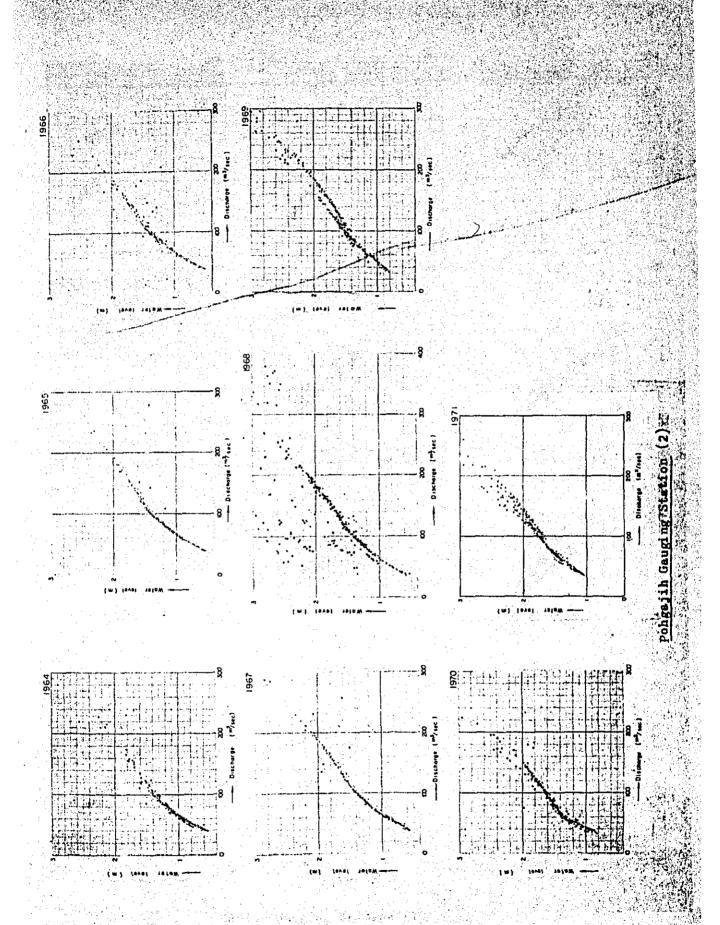
YEAR	JAN.	PEB.	MAR.	APR.	MAT	JUNE	JULY	AUG.	SEP.	OCT.	NOY.	DEC.	TOTAL	MRAN
1962	<del>-</del> .		, -,	. <b></b>	<b></b> .	. <b>-</b>	-				1.8	3.2	5:0.	2.5
1963	7.4	6.5	9.3	6.1	1.8	1,2	0.7	0.6	0,6	0.5	0.5	2.7	37.9	3.2
1964	4.5	2.3	3.1	3,1	1.3	0,6	0.4	0.3	0.3	1.7	2.0	1.7	21,3	1.8
1965	6,0	7.6	2.2	2,0	0.5	0.4	0,3	0.5	0.2	0,3		<u> </u>	20,0	2.0
													84.2	
MEAN	6.0	5.5	4.9	3.7	1.2	0.7	0.5	0.5	0.4	0.8	1.4	2.5		2.3

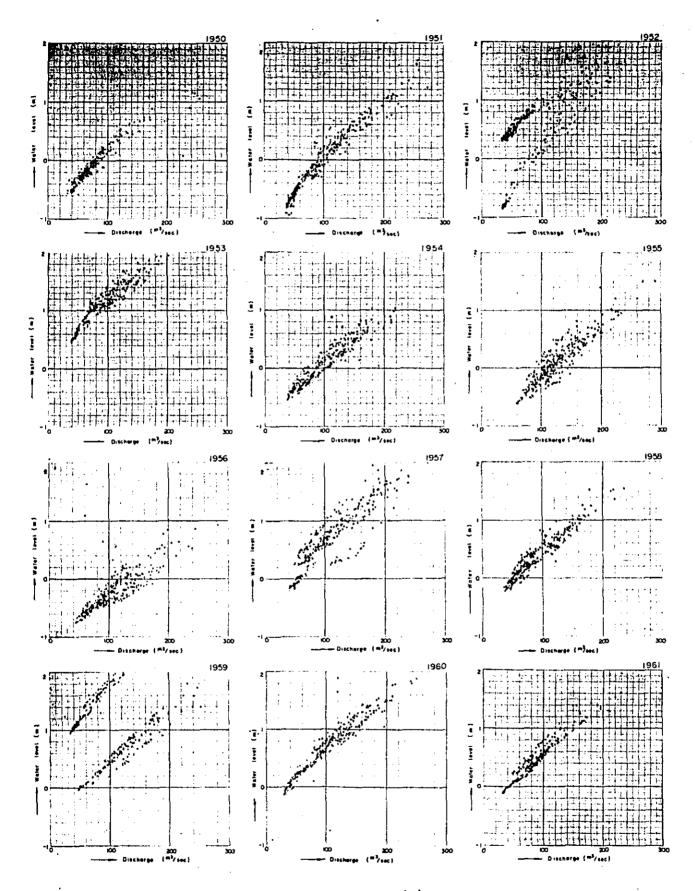
## 5. Correlation of Daily Water Level and Discharge

The presented herein is the relationship between the water level and the discharge at seven discharge gauges obtained from the records during the 1951 - 1971 period. The gauges are Pohgajih, Kaulon, Pakel, Jeli, Jongbiru, Kertosono and Jabon.

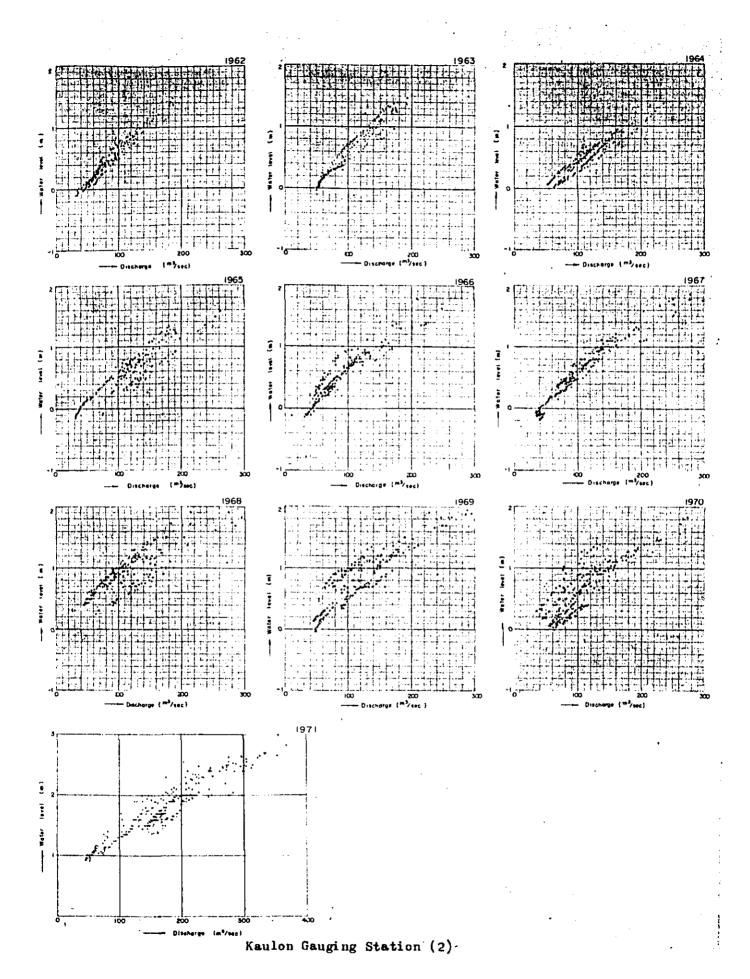


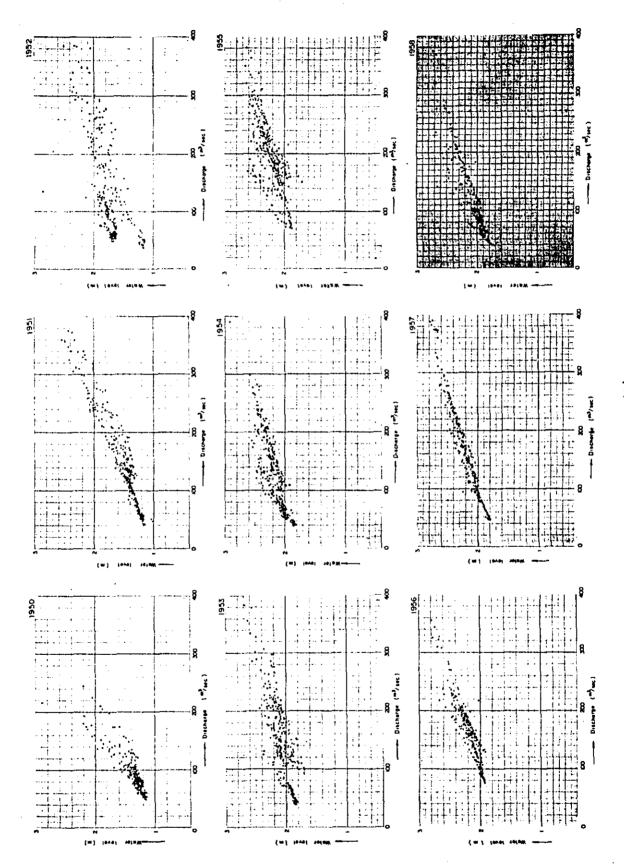
-, 36 •

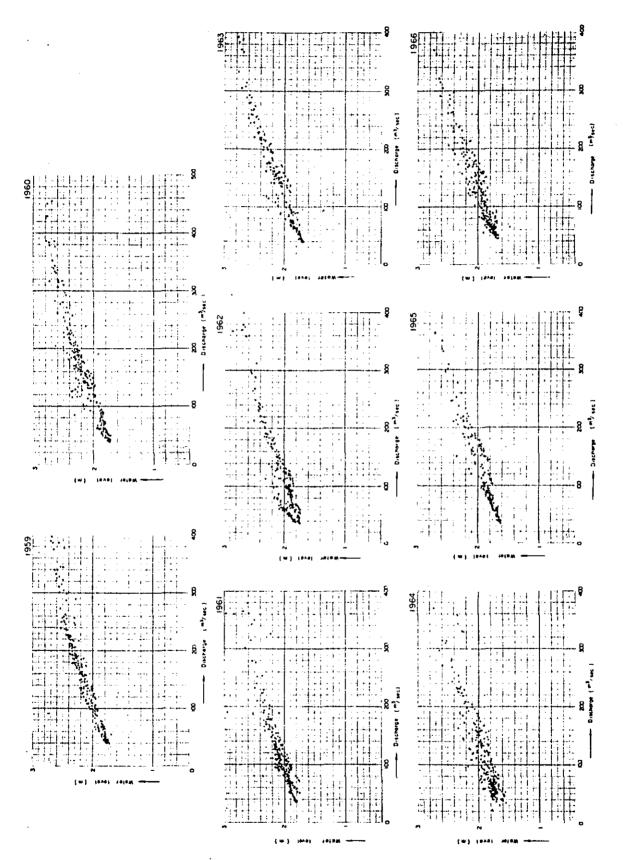


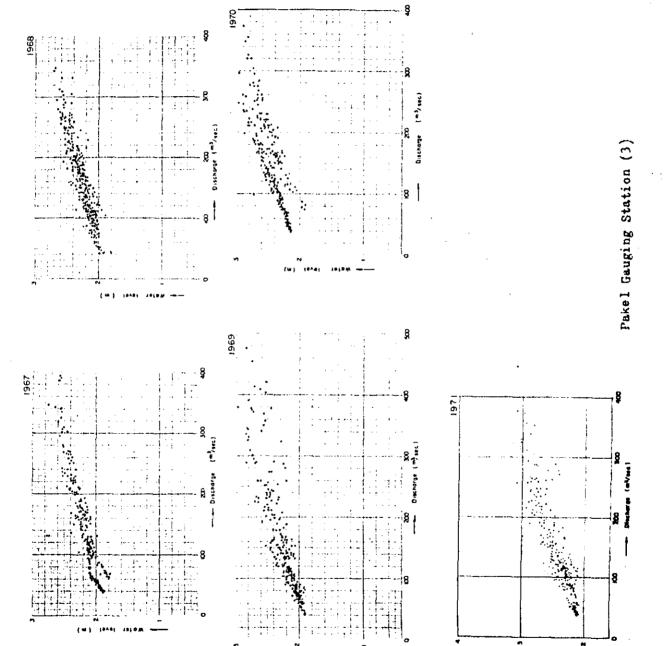


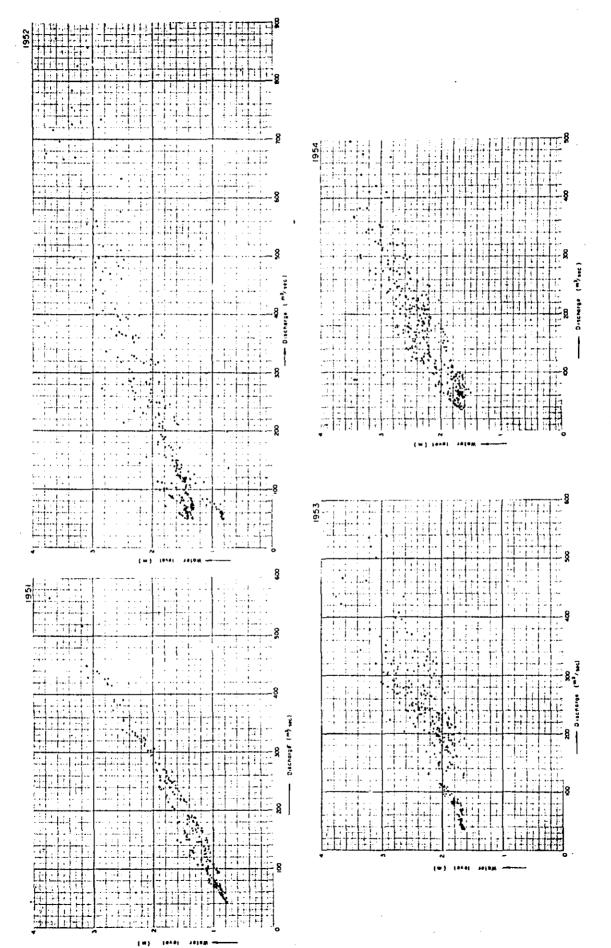
Kaulon Gauging Station (1)



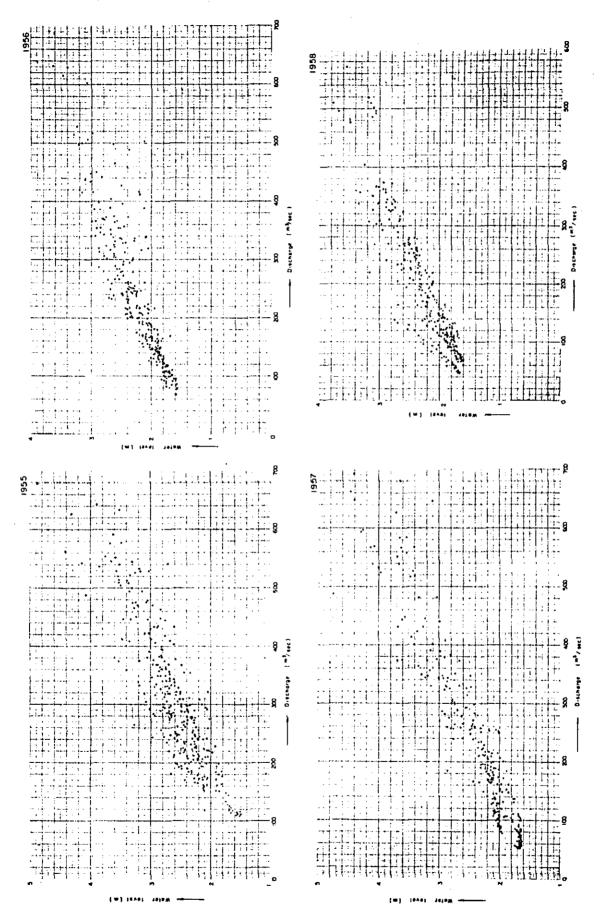


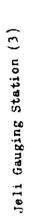


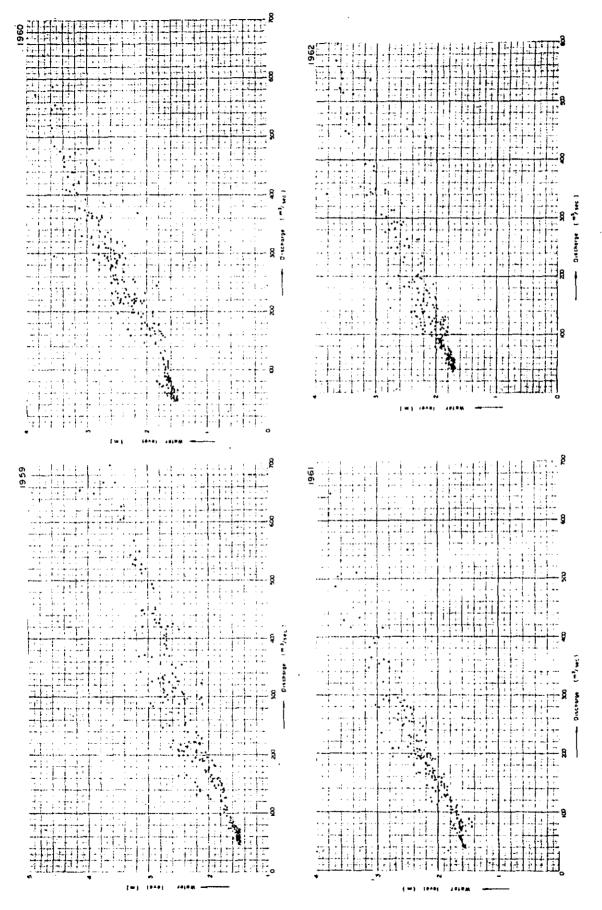


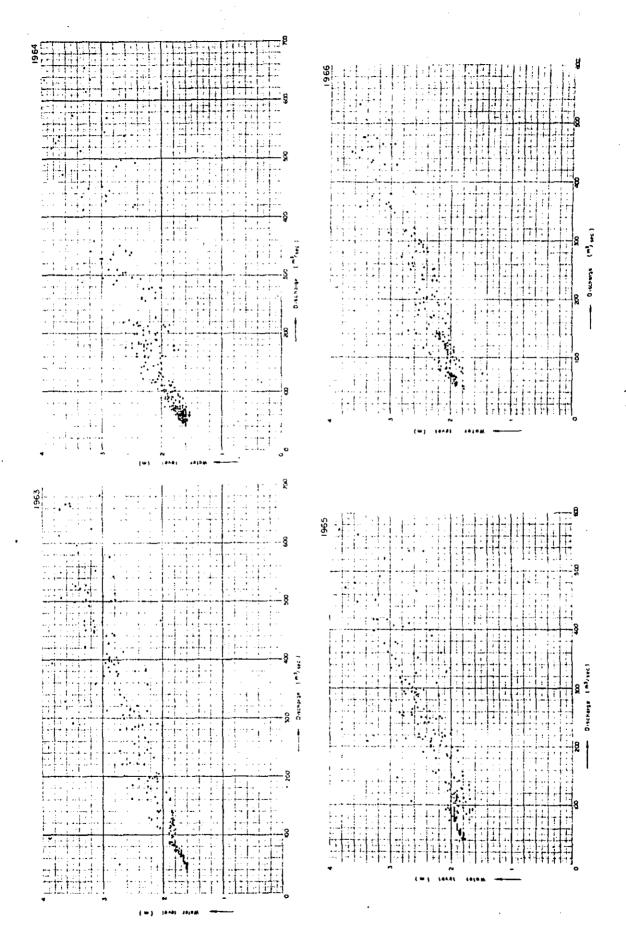


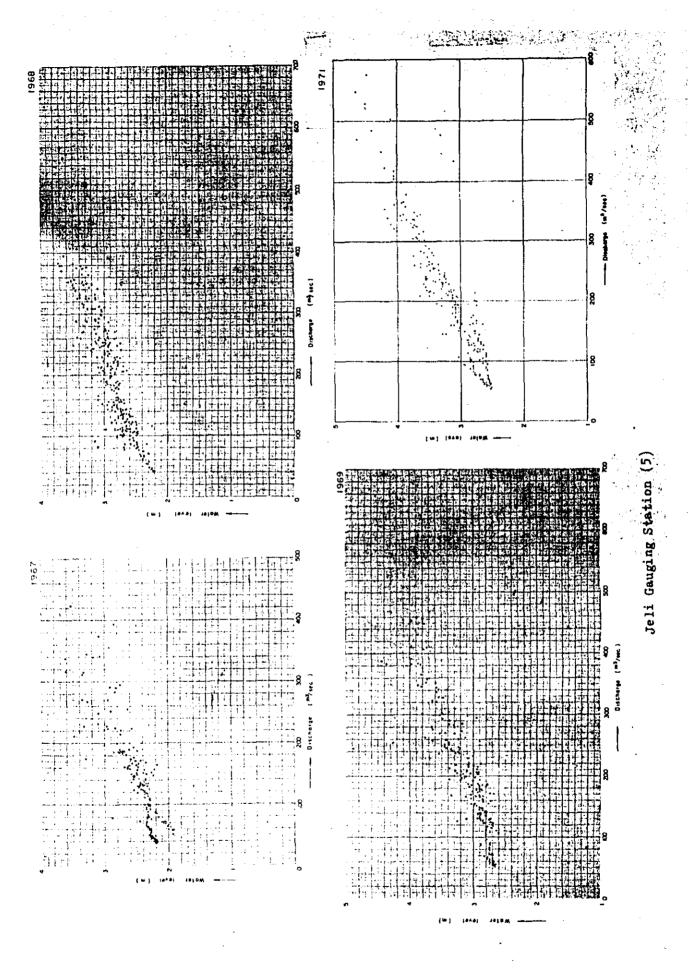
- 43 -

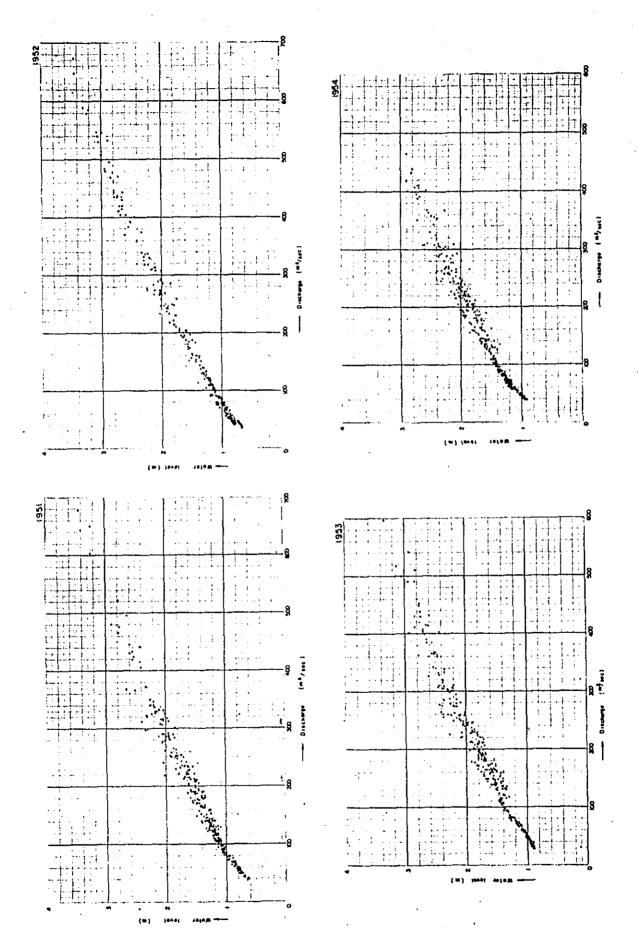




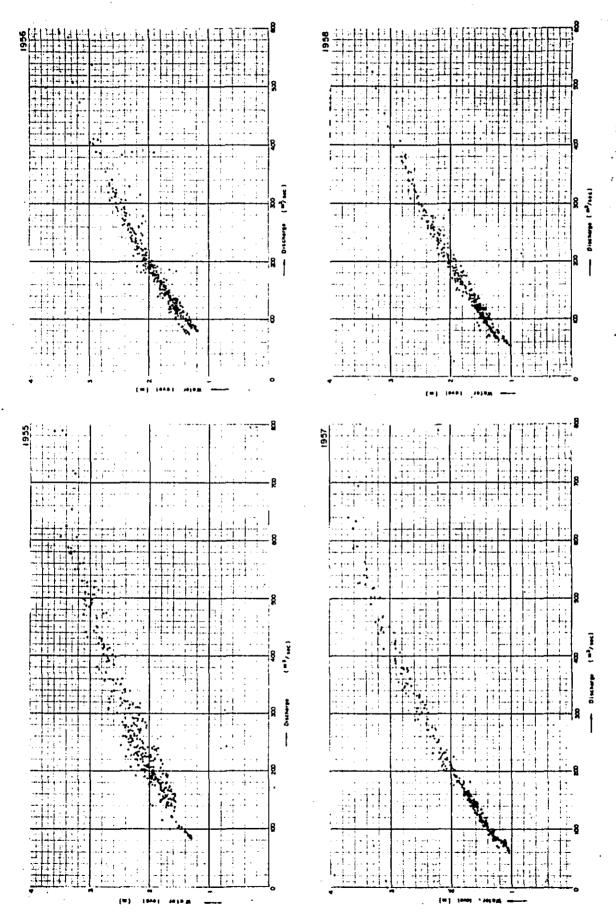


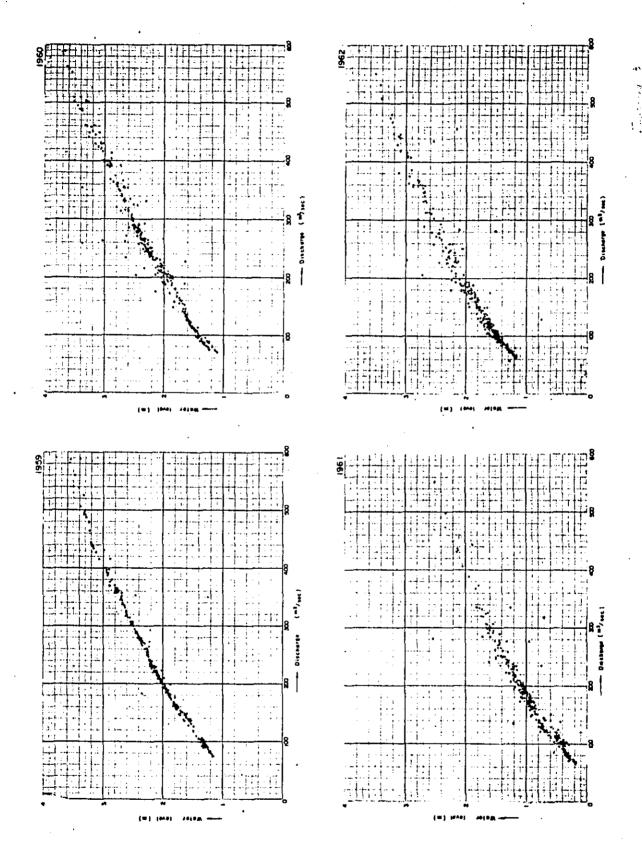


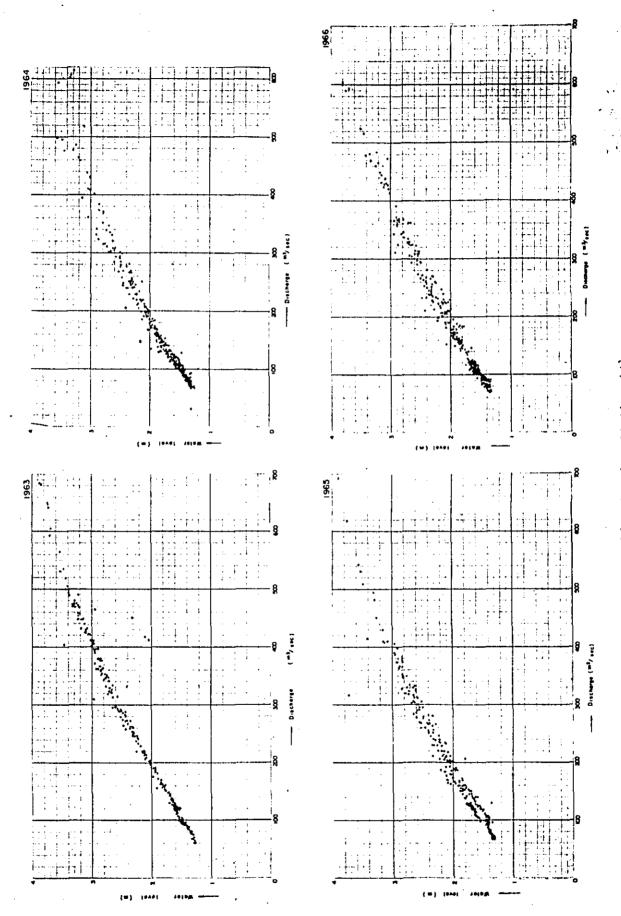


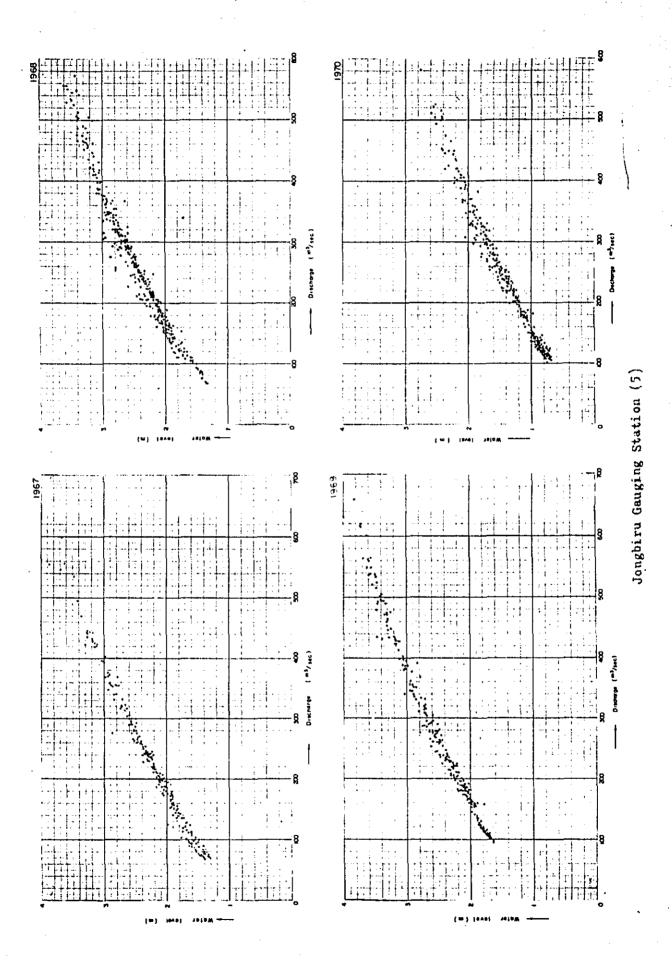


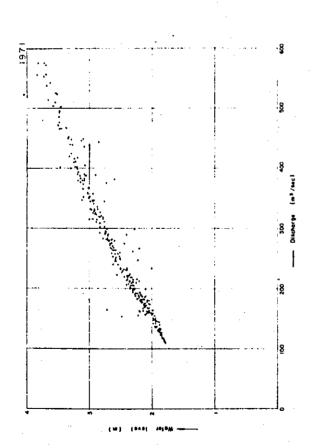


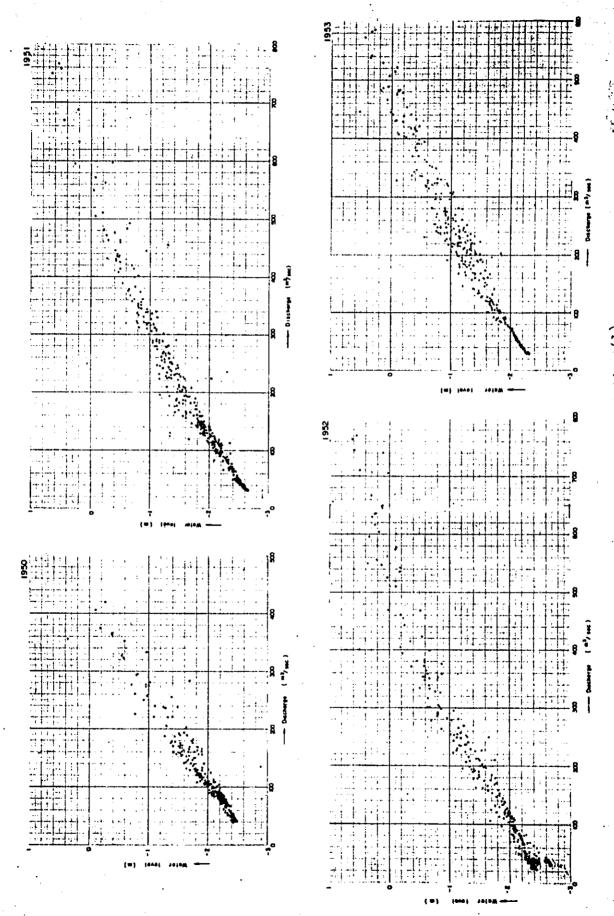






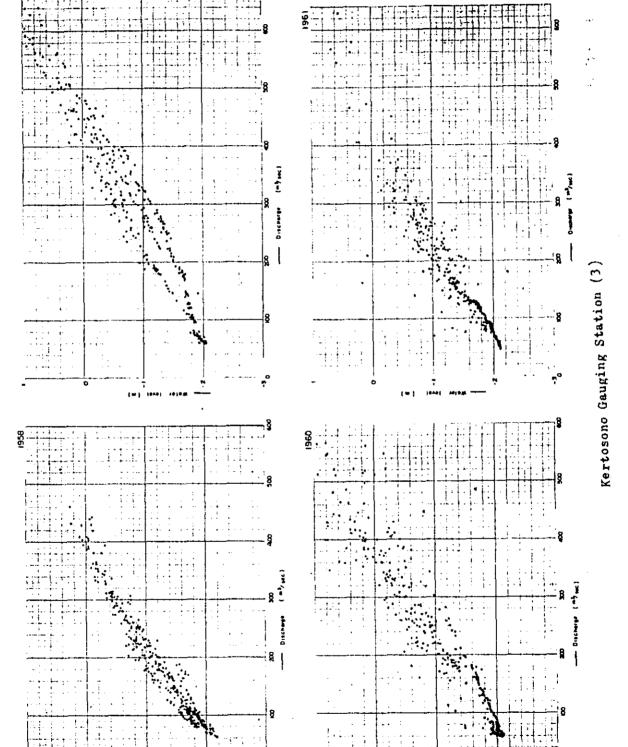




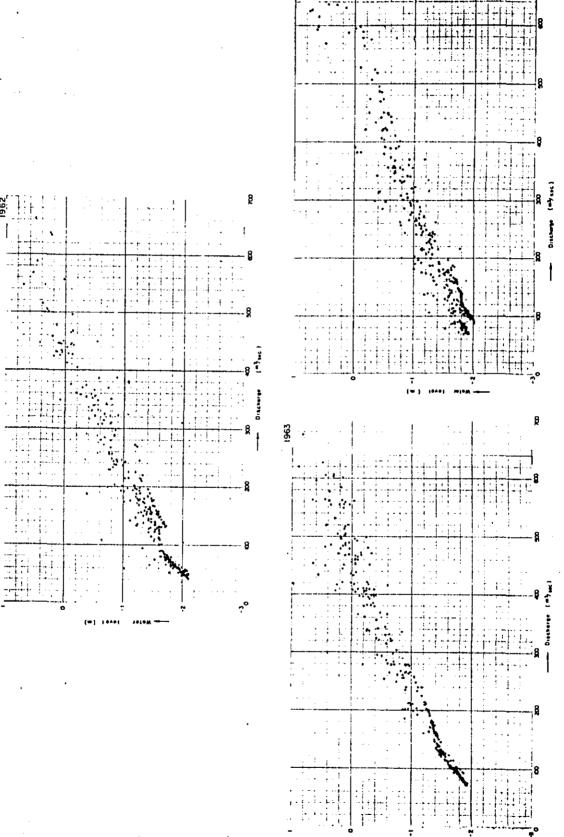


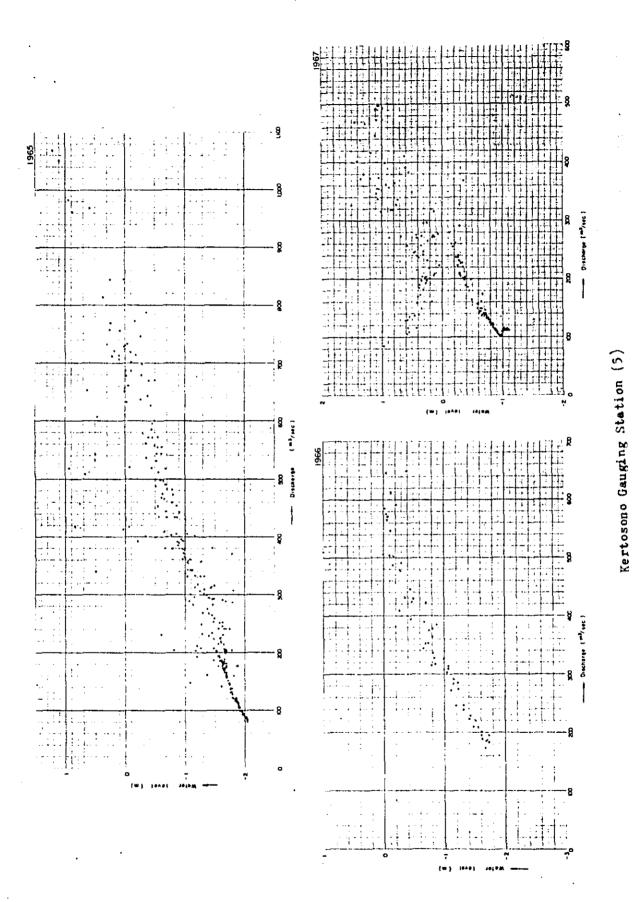
Kertosono Gauging Station (1)

- 55 -

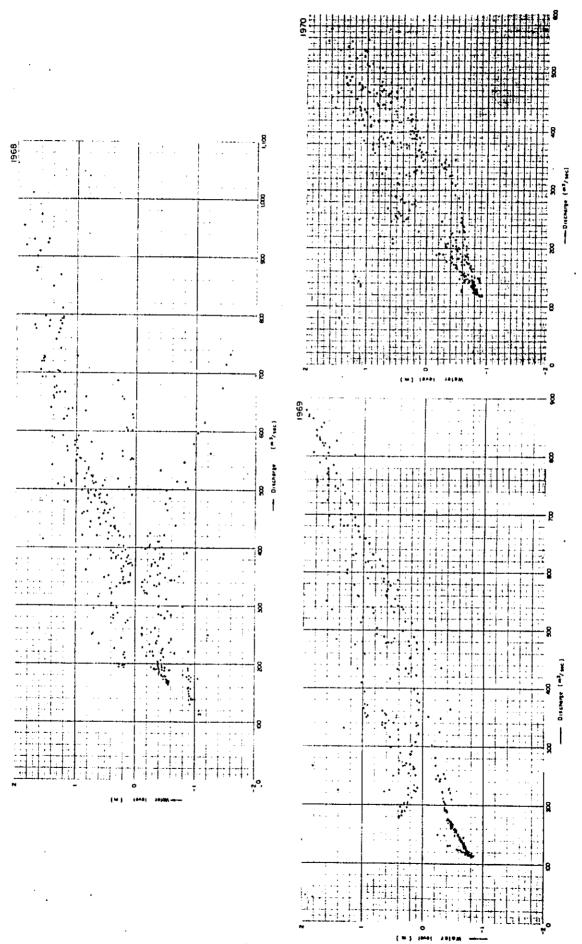


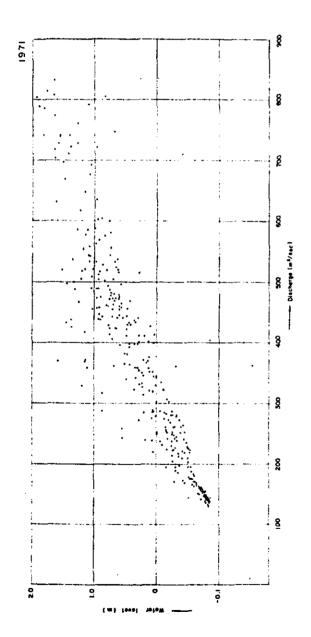
- 56 -

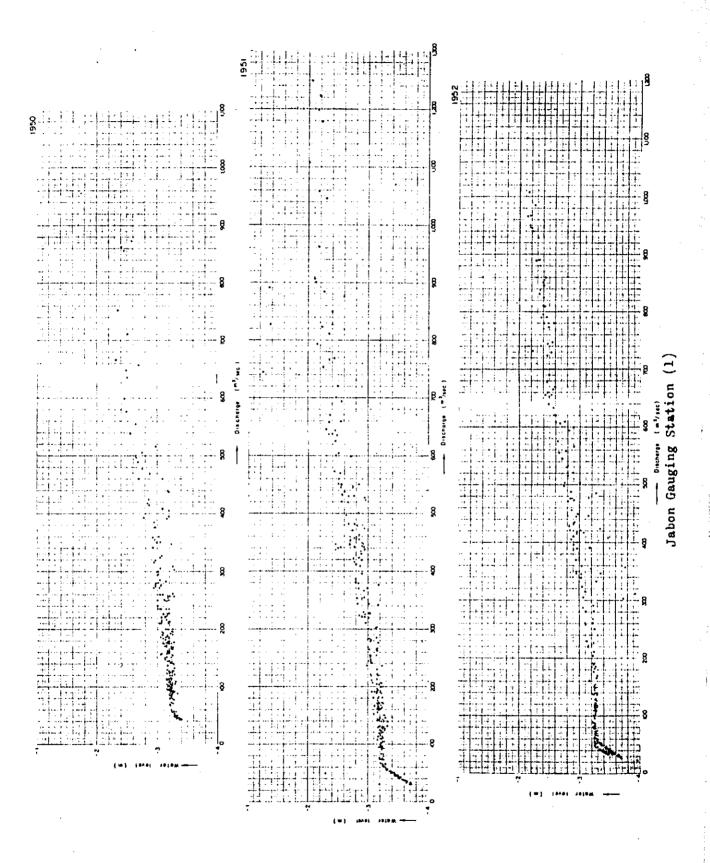




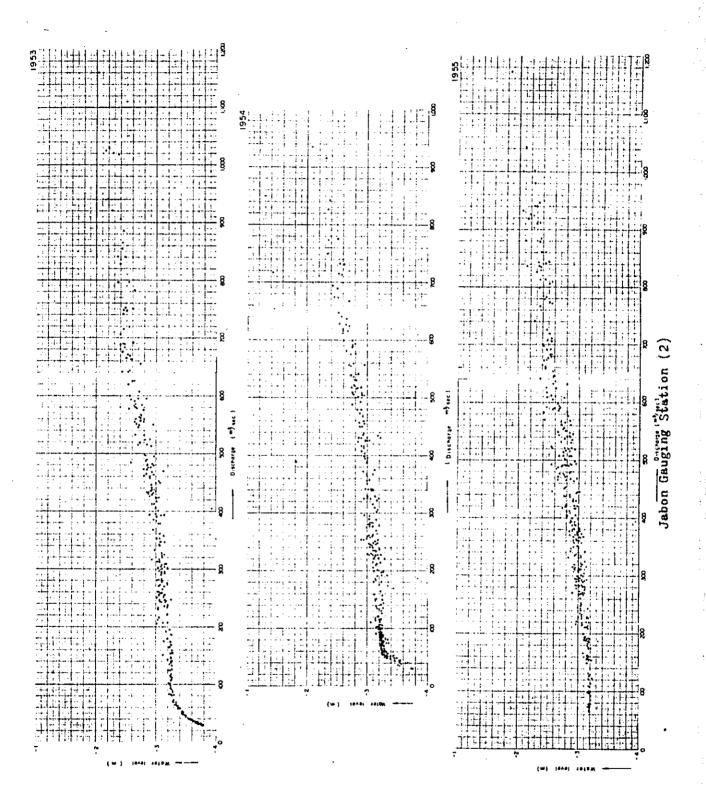
_ 58 -

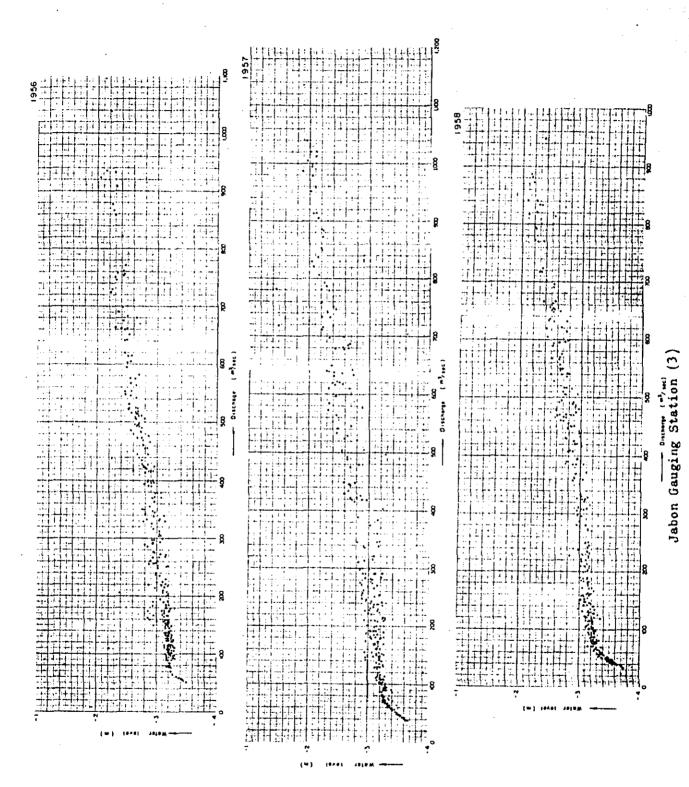




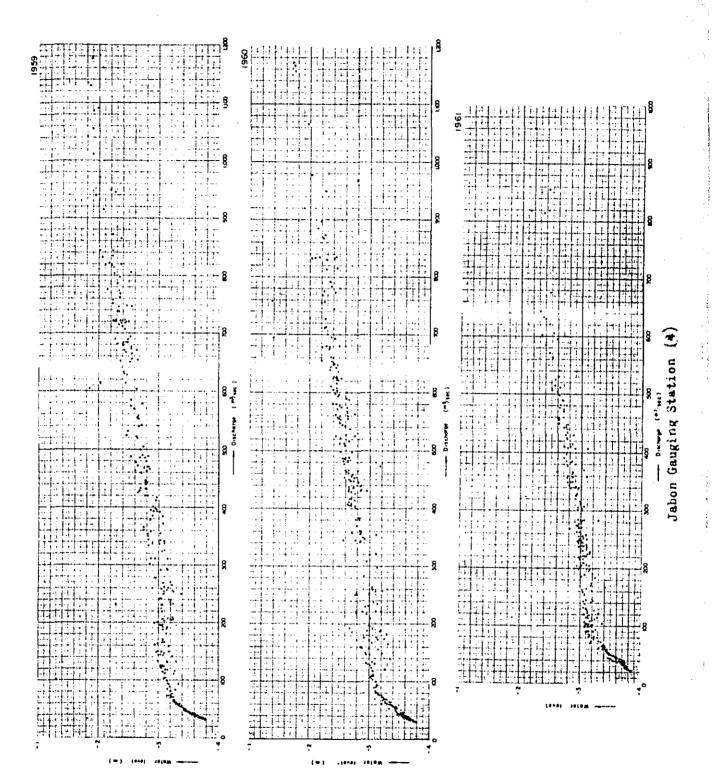


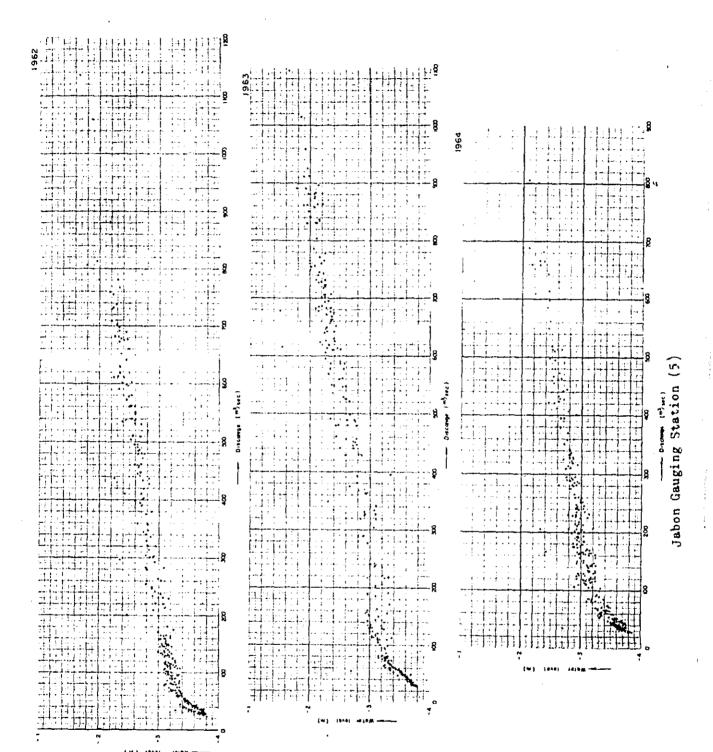
en egy de Martine, de la central de la c La central de la central d La central de la central de

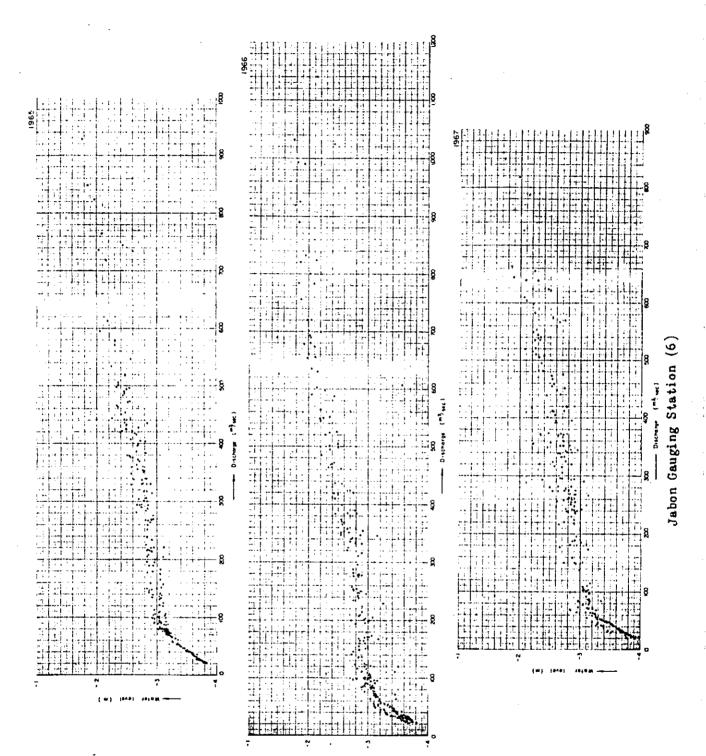


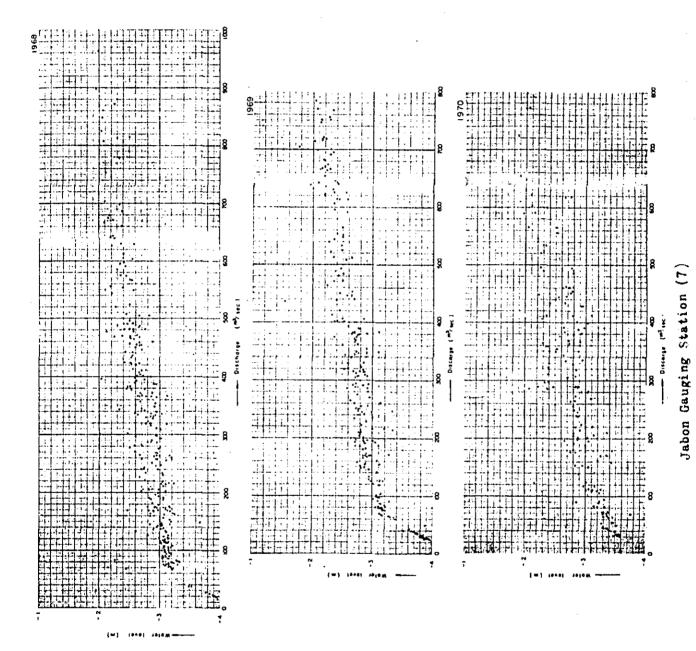


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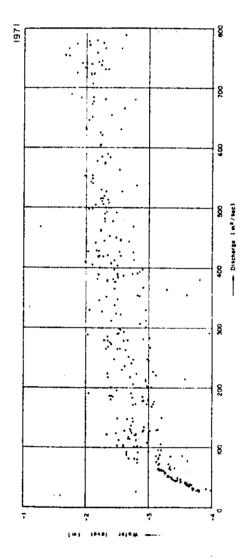








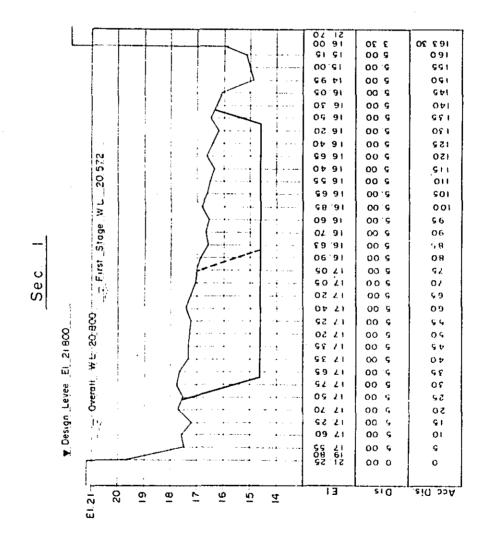
- 67 -

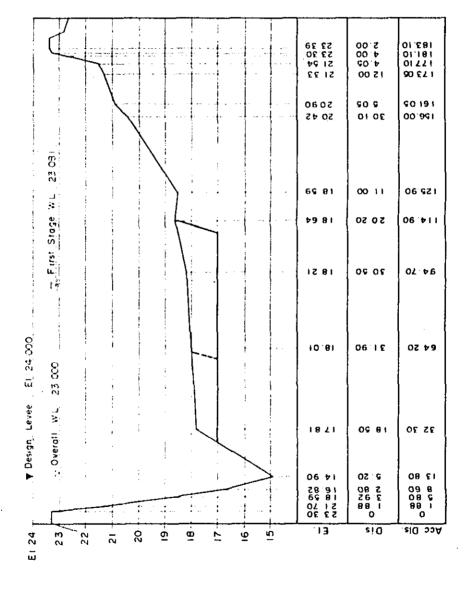


#### 6. River Cross Section of Brantas River

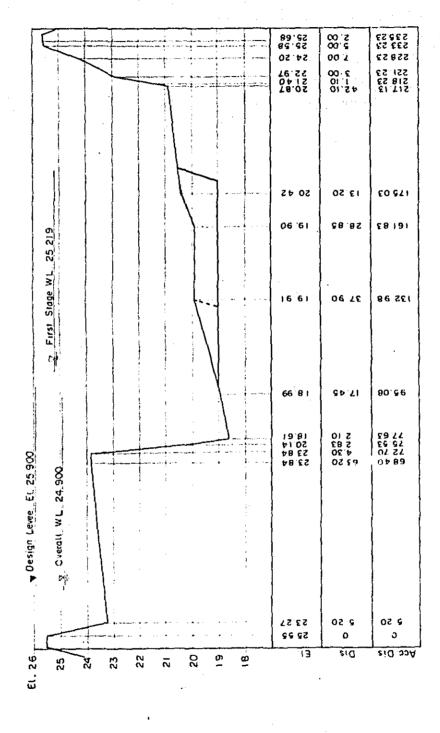
Compiled herein are the river cross sections surveyed in 1971 by the Government at an interval of five kilometers on the Brantas River stretch between the mouth of the Ngrovo River and Terusan gauge. The location of the river cross section is shown in Fig. I-6-16 in Chapter 6, PART-I, Supporting Report.

The design cross sections of low water channel for the first stage and the overall plans are as shown in the figure showing each river section. The thick line shows the design cross section of low water channel for the overall plan. The dashed line shows that of the first stage plan. The design flood water level and the design levee height for both plans are also shown in the figure.

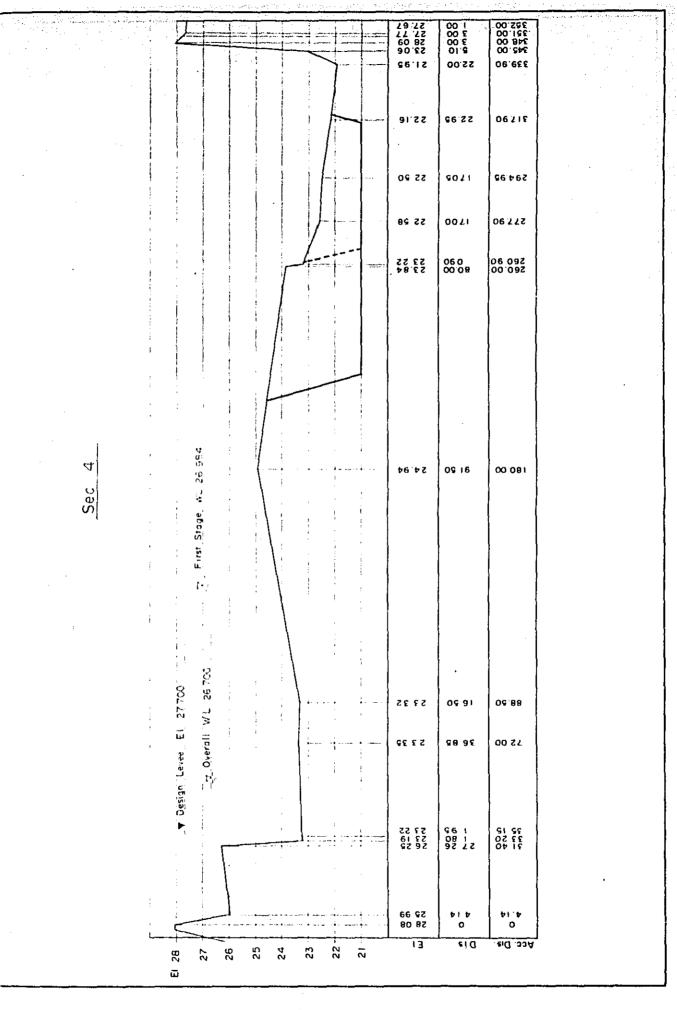




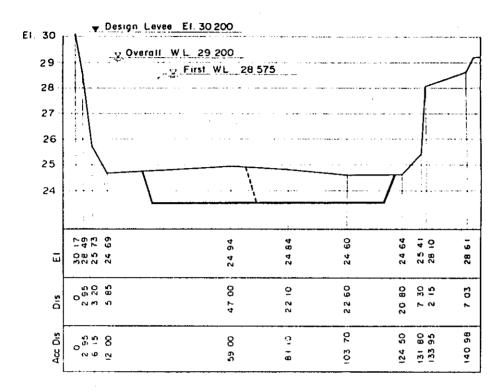
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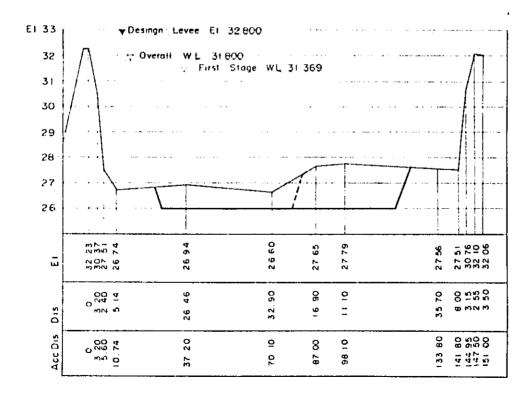
Sec. 3



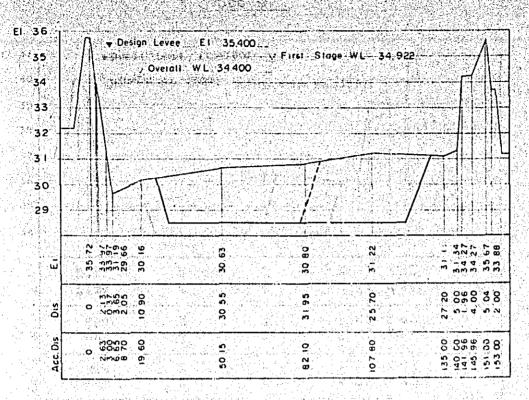
Sec. 5



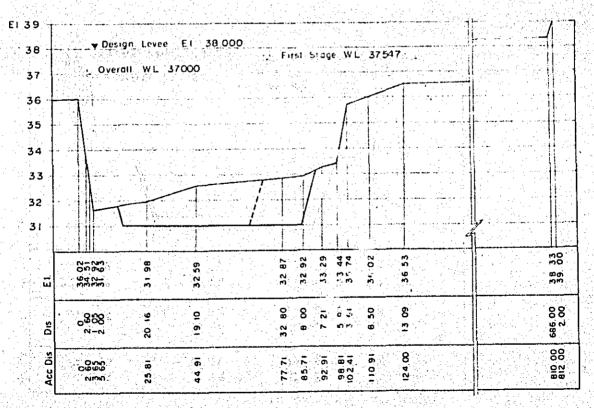
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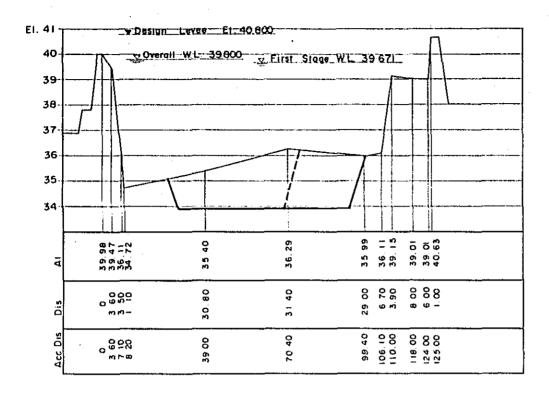


Sec.: 7

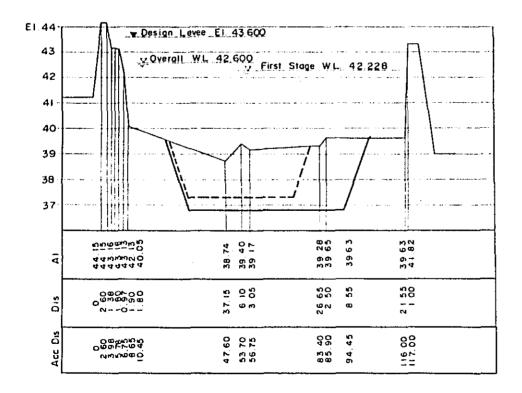


Sec 8

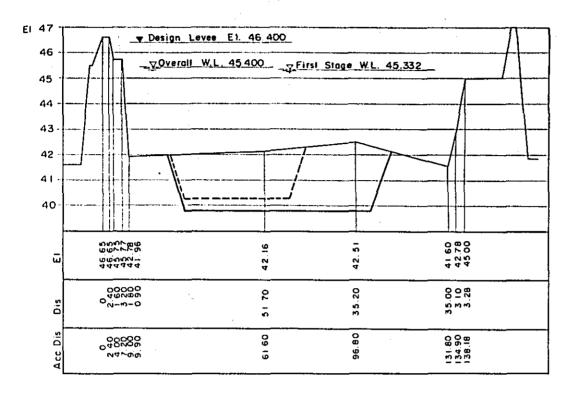




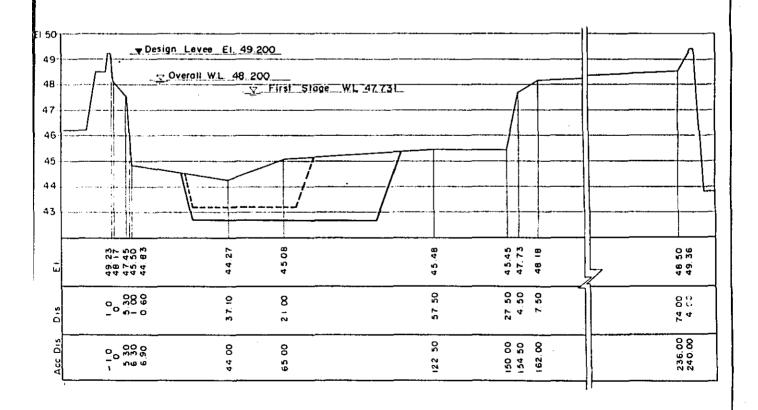
Sec. 10



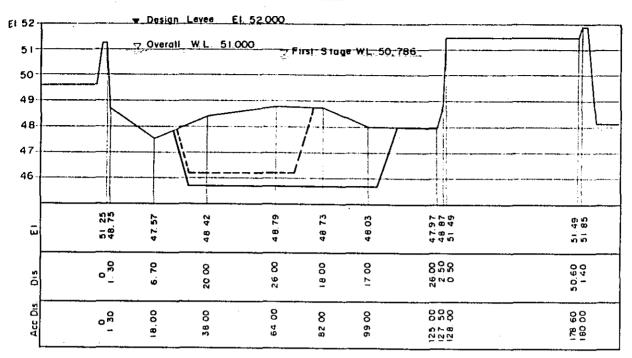
Sec 11



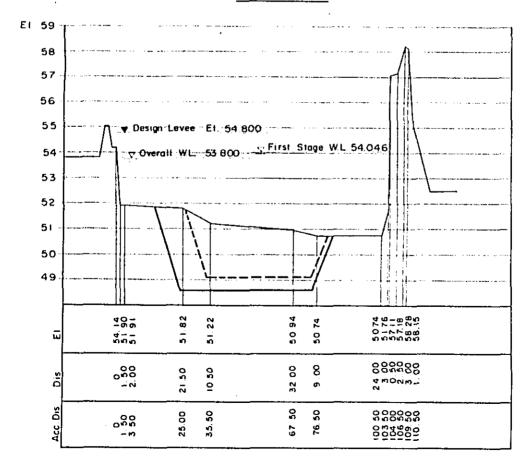
Sec 12



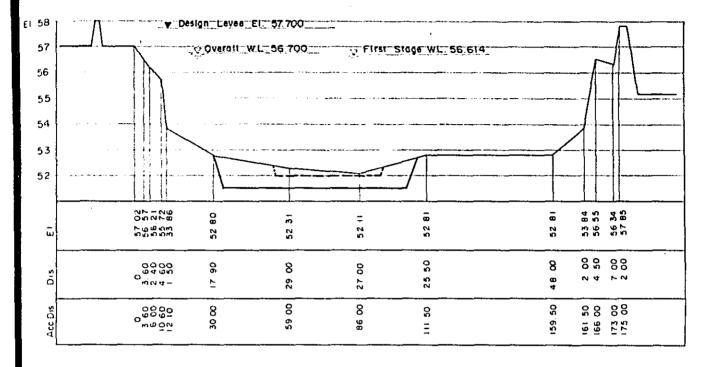
<u>Sec. 13</u>



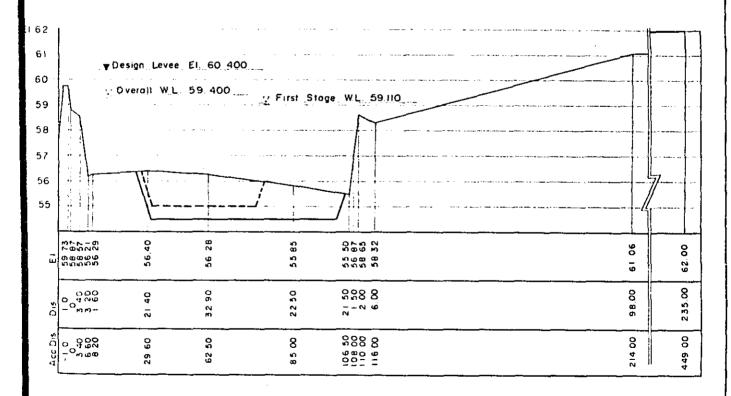


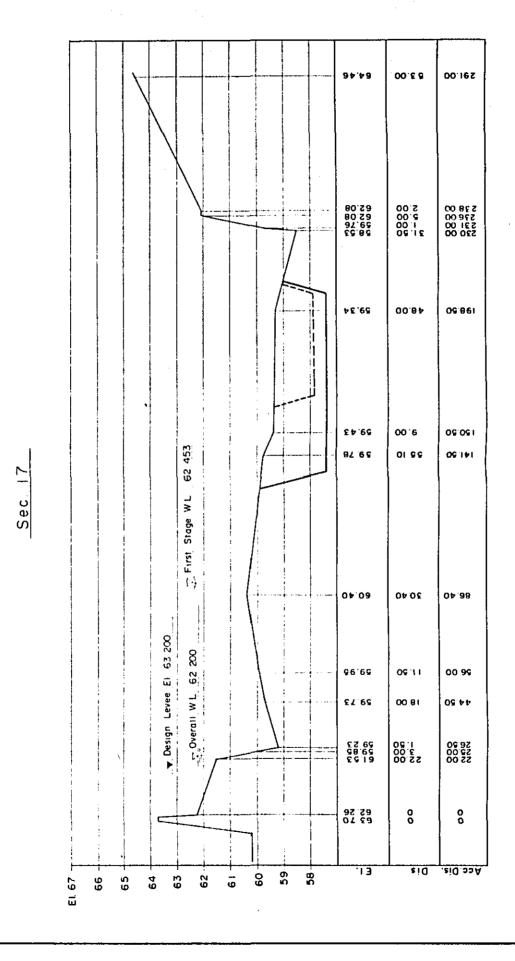


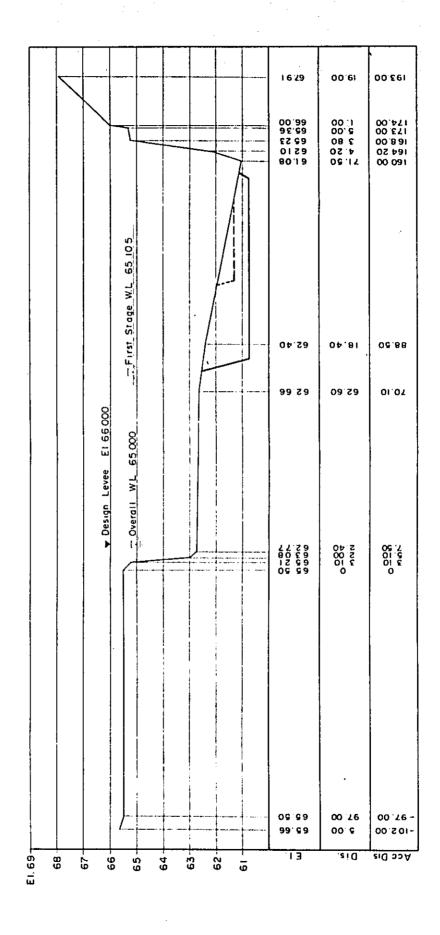
Sec 15



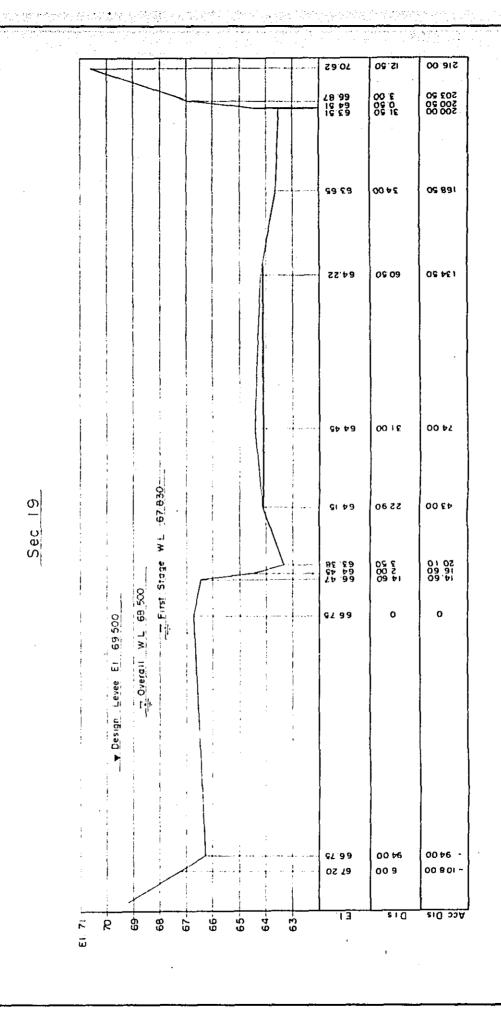
## Sec 16

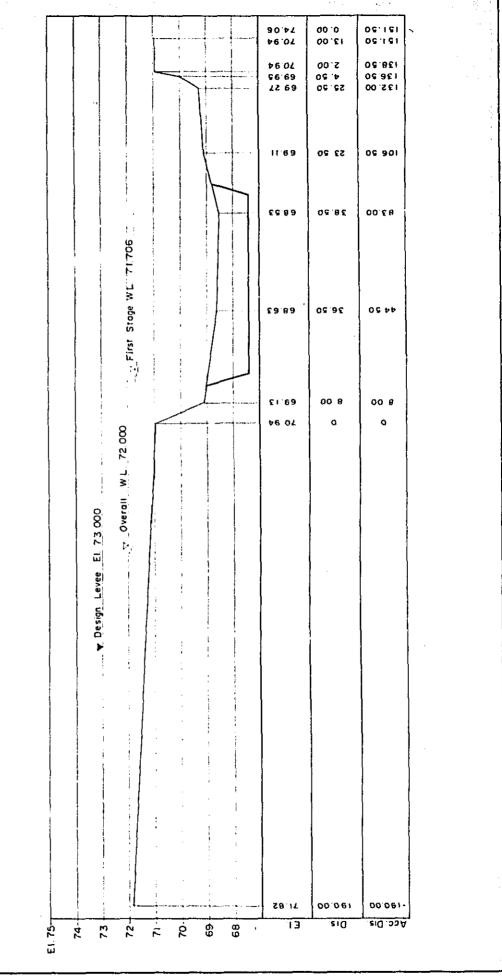






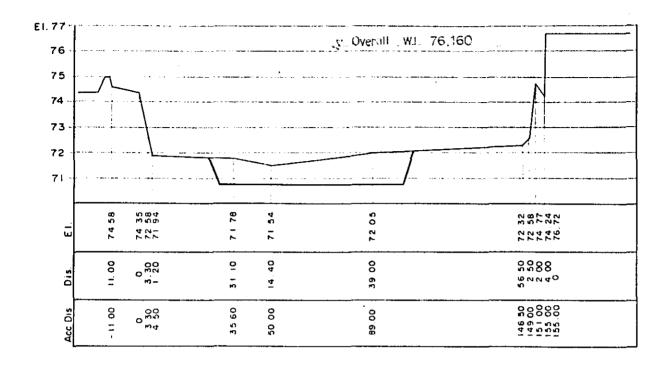
Sec. 18



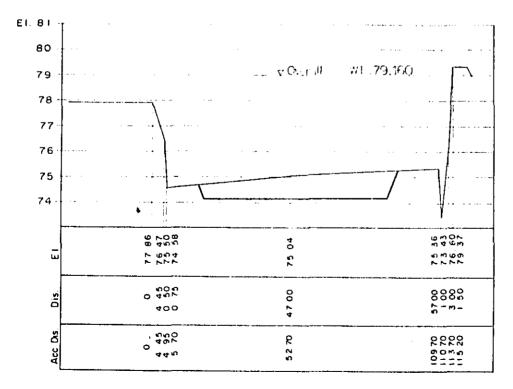


- 83 -

Sec 21



Sec 22



### 7. Stage-Discharge Curve of Each River Cross Sections

The compiled herein are stage-discharge curve showing the relation between the water level and the discharge in each river cross section as mentioned before. The stage-discharge curve is calculated by using the formula as follows.

$$-i + \frac{dII}{dx} + \frac{1.10^2}{2g} \times \frac{d}{dx} \left(\frac{1}{A^2}\right) + \frac{0^2 n^2}{A^2 n^4/3} = 0$$

where: i; Slope of water surface

H; Water depth (m)

x; River length between the estuary and the assigned cross section (m)

Q; Discharge (m³/sec)

A; Flow area for assigned discharge (m²)

R; Hydraulic mean depth (m)

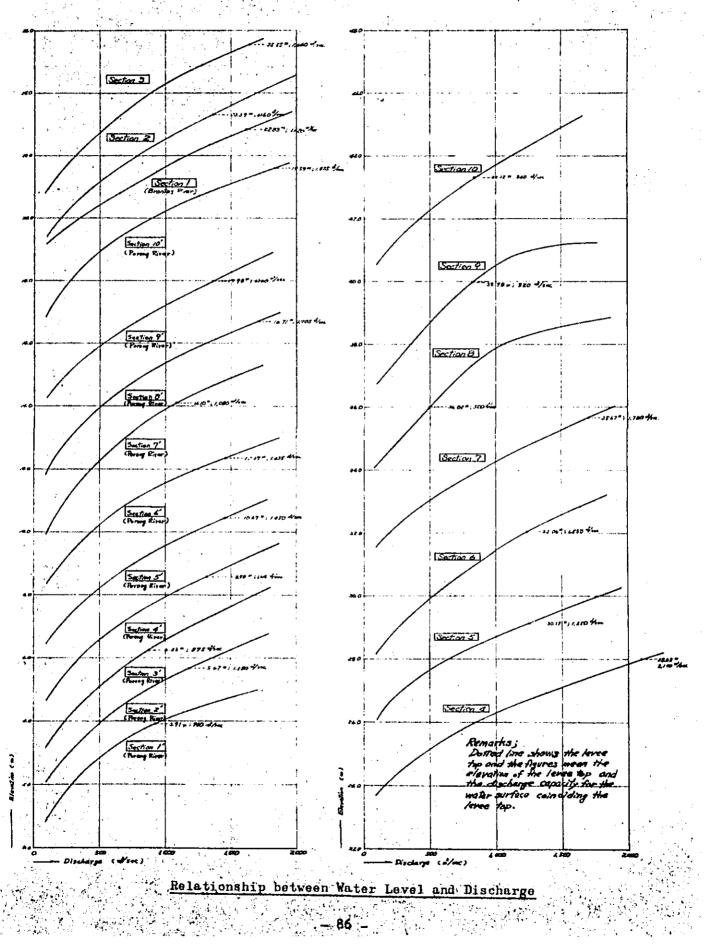
n; Coefficient of roughness

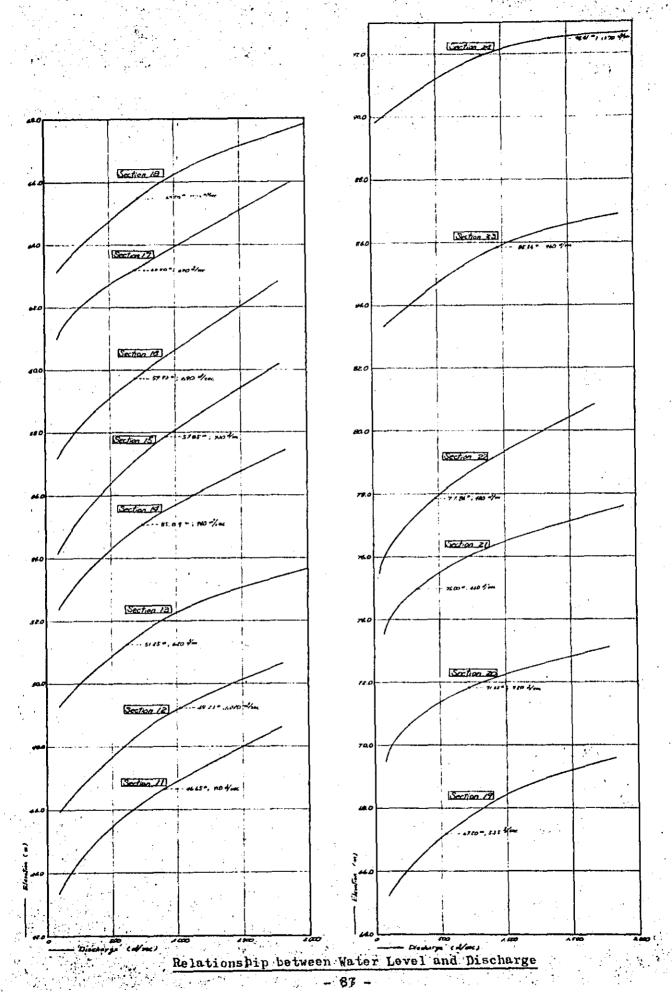
The discharges used are 100,500, 1,000 and 1,500 cubic meters per second respectively. The coefficient of roughness used is 0.025 in the Porong River and that in the Brantas River is as follows.

Section 1 - Section 9 n = 0.030

Section 10 - Section 16 n = 0.032

Section 17 - Section 24 n = 0.035





# 8. Stage-Discharge Curve at the Water Gauges on the Ngrowo Basin

The compiled herein are stage-discharge curves showing the relation between the water level and the discharge at 18 gauge sites on the Ngrowo River. The stage-discharge curves are calculated by using the Manning's formula as follow.

$$v = \frac{1}{n} e^{\frac{1}{n}} \frac{2}{n^{3}} \qquad (1)$$

$$0 = Av \qquad (2)$$

where : i Slope of water surface

v; Plow velosity (m/sec)

A; Flow area (m²)

Q; Discharge (m³/sec)

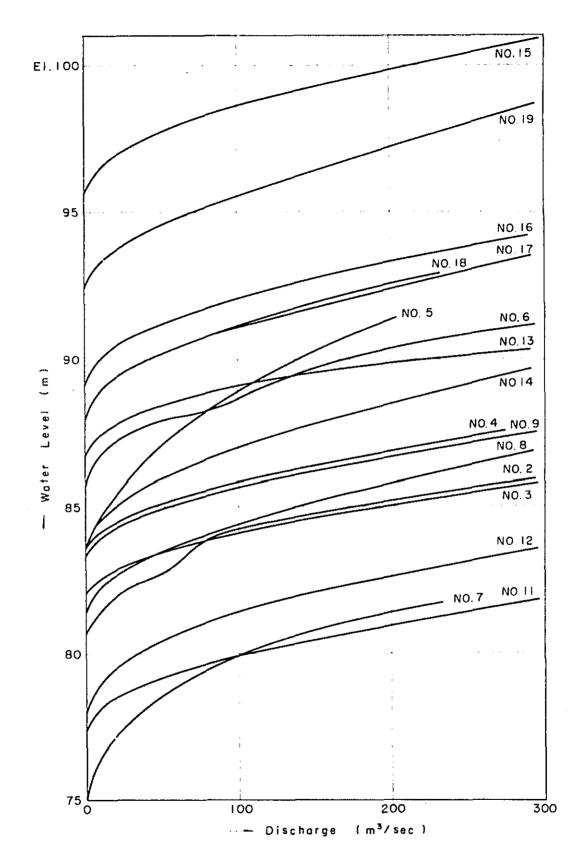
R; Hydraulic mean depth (m)

n; Coefficient of roughness

The water surface of each site is assumed to be the same as the river bed slope at the gauge. The water surface and the coefficient of roughness of each gauge site are listed as follows.

Gauge	No.	diver slope	Roughness coefficient
2	Bajal	0.0011	0.035
3	Habakan	v., v06	0.035
4	Klantur	0.0023	0.035
5	Wadu	0.0014	0.035
6	Song	0.0095	0.035
7	Tulungagurg	0.0001	0.030
8	Kalituri	0.0004	0.030
9	Boyalangu dam	0.0023	0.030
10	Campurdarat	0.00045	0.030

11	V		
11	Kendal (Prit Raya)	0.00044	0.030
12	Kendal dam	0.00018	0,030
13	Keboireng	0.0068	0.035
14	Karangtuwo	0.001	0.035
15	Tawi ng	0.001	0.035
16	Bendo (Parit Raya)	0.0003	0.030
17	Bendo (Upper Ngasinan)	0.00045	0.030
18	Bendo (Lower Ngasinan)	0.00032	0.030
19	Gondang	0.0012	0.035



Relationship between Water Level and Discharge

#### 9. Cross Sections of Existing Irrigation Canal

The compiled herein are the cross sections of the existing irrigation canals surveyed in 1972 by this survey team. The survey areas are the Warujayeng-Kertosono, Turi-Tunggorono and Jatimlerek-Bunder irrigation area, respectively. The location of canal sections in the Warujayeng-Kertosono irrigation area is shown in Fig. 9-1, and that in the Turi-Tunggorono, Jatimlerek and Bunder irrigation areas is shown in Fig. 9-2.

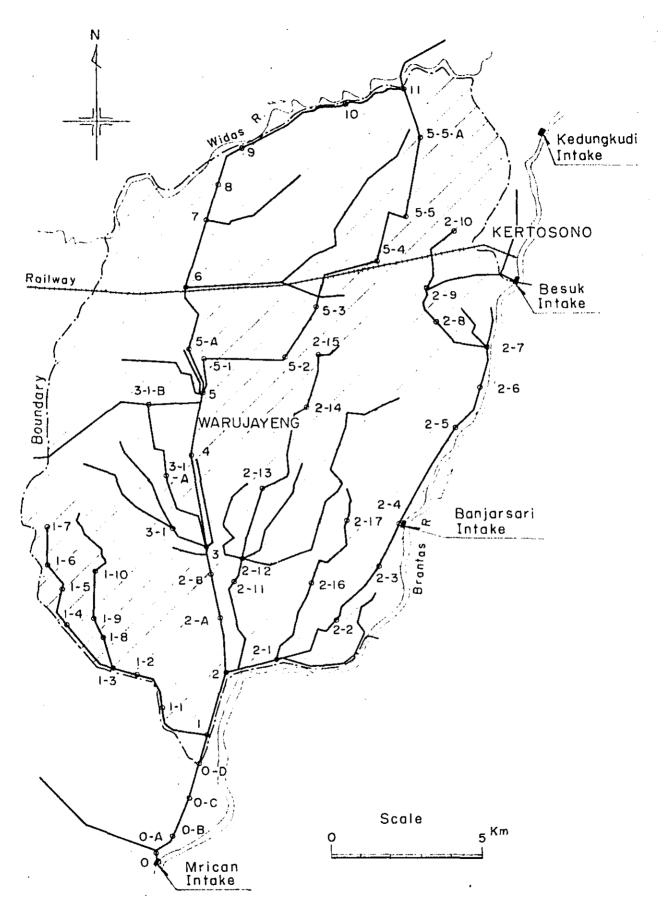


Fig.9-1 Location Map in Warujayeng-Kertosono System

