

表3-6 NUMBER OF EACH METROLOGY LABORATORIES

No.	Branch Name	Insp.	Adj. Insp.	Metr. Pol.	Techn. Assist.	Admin. & Others	TOTAL
0	DOM	29	0	5	25	90	149
1	Banda Aceh	5	4	3	5	7	24
2	Langsa	1	1	4	0	1	7
3	Medan	8	5	8	10	20	51
4	P.Siantar	4	7	3	6	8	28
5	Padang	5	1	8	5	9	28
6	Pekanbaru	4	5	6	9	11	35
7	Jambi	5	5	3	2	4	19
8	Palembang	3	4	7	9	8	31
9	Lampung	5	3	9	10	5	32
10	Bengkulu	4	6	4	2	6	22
11	Jakarta	10	3	8	13	21	55
12	Bandung	8	1	9	11	14	43
13	Serang	5	3	6	4	3	21
14	Purwakarta	2	1	5	2	3	13
15	Bogor	4	3	7	8	7	29
16	Tasikmalaya	5	5	5	4	11	30
17	Cirebon	6	5	8	3	7	29
18	Semarang	17	1	7	9	17	51
19	Tegal	3	4	6	4	5	22
20	Pati	5	4	7	4	5	25
21	Purwokerto	5	2	8	3	7	25
22	Surakarta	7	7	8	10	10	42
23	Magelang	4	1	6	4	5	20
24	Yogyakarta	8	5	9	10	10	42
25	Surabaya	8	6	9	13	10	46
26	Jember	4	2	6	7	14	33
27	Malang	9	6	8	5	13	41
28	Madiun	4	2	5	6	5	22
29	Kediri	3	3	6	4	4	20
30	Bojonegoro	4	0	6	2	1	13
31	Pontianak	4	1	6	6	9	26
32	Singkawang	1	2	4	0	0	7
33	Palangkaraya	2	8	2	1	7	20
34	Banjarmasin	4	2	7	5	8	26
35	Samarinda	2	3	7	5	7	24
36	Manado	3	3	5	5	5	21
37	Palu	4	8	2	2	9	25
38	U.Pandang	5	12	3	6	14	40
39	Kendari	2	2	6	4	11	25
40	Depasar	7	3	6	3	11	30
41	Mataram	5	8	3	4	6	26
42	Kupang	2	3	5	3	13	26
43	Ambon	3	0	5	4	8	20
44	Ternate	1	0	3	1	2	7
45	Jaya Pura	1	2	4	2	6	15
46	Sorong	1	0	4	0	1	6
47	Dili	2	0	6	1	1	10
Total 1 (ALL)		243	162	277	261	459	1,402
Total 2 (BRA>)		214	162	272	236	369	1,253

1990 Staff

No.	Branch Name	Insp.	Adj. Insp.	Metr. Pol.	Techn. Assist.	Admin. & Others	TOTAL
0	DOM	30	0	5	26	88	149
1	Banda Aceh	5	3	4	3	7	22
2	Langsa	1	1	4	0	1	7
3	Medan	8	5	7	10	19	49
4	P.Siantar	4	7	3	6	8	28
5	Padang	4	1	8	5	9	27
6	Pekanbaru	4	5	5	9	11	34
7	Jambi	5	4	3	1	4	17
8	Palembang	3	4	7	9	8	31
9	Lampung	4	3	9	10	5	31
10	Bengkulu	4	6	5	2	4	21
11	Jakarta	10	3	8	13	21	55
12	Bandung	7	1	9	9	13	39
13	Serang	3	5	7	4	3	22
14	Purwakarta	4	1	8	2	3	18
15	Bogor	6	2	8	8	7	31
16	Tasikmalaya	4	5	5	5	11	30
17	Cirebon	5	4	8	2	7	26
18	Semarang	18	0	7	9	19	53
19	Tegal	4	3	6	4	6	23
20	Pati	6	3	8	4	5	26
21	Purwokerto	6	2	9	2	8	27
22	Surakarta	7	7	8	9	10	41
23	Magelang	4	1	6	4	5	20
24	Yogyakarta	8	5	11	9	9	42
25	Surabaya	8	6	10	14	10	48
26	Jember	4	2	6	6	10	28
27	Malang	9	6	8	5	13	41
28	Madiun	4	1	6	6	5	22
29	Kediri	3	3	6	4	4	20
30	Bojonegoro	4	0	6	2	1	13
31	Pontianak	4	1	6	6	9	26
32	Singkawang	1	2	4	0	0	7
33	Palangkaraya	2	8	2	1	8	21
34	Banjarmasin	5	1	7	6	7	26
35	Samarinda	2	3	8	6	7	26
36	Manado	3	3	5	4	4	19
37	Palu	4	8	3	2	9	26
38	U.Pandang	7	10	3	6	13	39
39	Kendari	2	2	6	4	11	25
40	Dempasar	7	3	6	3	11	30
41	Mataram	5	8	3	4	7	27
42	Kupang	2	3	5	3	13	26
43	Ambon	3	0	5	4	8	20
44	Temate	1	0	3	1	2	7
45	Jaya Pura	1	2	4	2	6	15
46	Sorong	1	0	4	0	1	6
47	Dili	2	0	6	1	1	10
Total 1 (ALL)		248	153	290	255	451	1,397
Total 2 (BRA>)		218	153	285	229	363	1,248

1991 Staff

No.	Branch Name	Insp.	Adj. Insp.	Metr. Pol.	Techn. Assist.	Admin. & Others	TOTAL
0	DOM	31	2	4	26	87	150
1	Banda Aceh	5	4	3	3	7	22
2	Langsa	1	2	4	1	0	8
3	Medan	9	5	7	10	18	49
4	P.Siantar	5	6	4	6	7	28
5	Padang	5	3	7	5	8	28
6	Pekanbaru	5	6	4	11	9	35
7	Jambi	5	5	3	2	5	20
8	Palembang	5	3	7	6	8	29
9	Lampung	5	4	8	9	5	31
10	Bengkulu	5	4	6	2	4	21
11	Jakarta	12	2	9	13	17	53
12	Bandung	7	3	9	8	13	40
13	Serang	4	4	7	4	4	23
14	Purwakarta	4	2	8	2	3	19
15	Bogor	5	4	7	8	6	30
16	Tasikmalaya	5	5	5	5	11	31
17	Cirebon	6	4	7	2	7	26
18	Semarang	18	2	6	8	18	52
19	Tegal	5	3	6	4	7	25
20	Pati	6	4	8	4	5	27
21	Purwokerto	5	3	8	4	6	26
22	Surakarta	10	5	8	9	9	41
23	Magelang	5	0	7	3	5	20
24	Yogyakarta	9	4	11	8	10	42
25	Surabaya	8	7	11	14	8	48
26	Jember	4	3	5	6	11	29
27	Malang	11	6	6	5	13	41
28	Madiun	4	2	6	6	5	23
29	Kediri	4	3	5	4	5	21
30	Bojonegoro	4	0	6	2	2	14
31	Pontianak	5	2	4	6	9	26
32	Singkawang	1	2	4	1	4	12
33	Palangkaraya	3	7	3	1	7	21
34	Banjarmasin	5	3	5	4	7	24
35	Samarinda	2	6	5	8	8	29
36	Manado	3	3	5	3	4	18
37	Palu	5	7	4	2	9	27
38	U.Pandang	7	10	3	5	13	38
39	Kendari	3	1	7	4	12	27
40	Dempasar	7	4	5	3	10	29
41	Mataram	6	7	4	4	7	28
42	Kupang	2	3	5	3	10	23
43	Ambon	3	2	4	4	5	18
44	Ternate	1	1	4	2	0	8
45	Jaya Pura	2	2	5	2	7	18
46	Sorong	1	1	5	0	0	7
47	Dili	1	1	6	2	1	11
Total 1 (ALL)		274	172	280	254	436	1,416
Total 2 (BRA>)		243	170	276	228	349	1,266

1992 Staff

No.	Branch Name	Insp.	Adj. Insp.	Metr. Pol.	Techn. Assist.	Admin. & Others	TOTAL
0	DOM	31	1	8	24	83	147
1	Banda Aceh	7	4	2	2	7	22
2	Langsa	1	2	4	1	0	8
3	Medan	11	4	6	10	17	48
4	P.Siantar	6	7	3	5	7	28
5	Padang	6	4	6	5	7	28
6	Pekanbaru	8	3	5	10	8	34
7	Jambi	7	4	3	2	5	21
8	Palembang	5	3	7	5	7	27
9	Lampung	7	3	8	8	5	31
10	Bengkulu	4	5	5	3	4	21
11	Jakarta	15	2	9	13	16	55
12	Bandung	7	4	8	8	14	41
13	Serang	6	3	7	3	4	23
14	Purwakarta	4	4	6	2	3	19
15	Bogor	7	4	5	8	6	30
16	Tasikmalaya	6	4	4	9	8	31
17	Cirebon	8	4	5	2	7	26
18	Semarang	17	3	6	9	18	53
19	Tegal	6	3	5	4	7	25
20	Pati	7	4	7	3	5	26
21	Purwokerto	4	4	8	4	5	25
22	Surakarta	13	3	7	9	8	40
23	Magelang	5	2	5	3	5	20
24	Yogyakarta	10	4	10	8	9	41
25	Surabaya	11	3	10	14	8	46
26	Jember	6	2	3	6	12	29
27	Malang	13	4	5	5	13	40
28	Madiun	4	3	5	6	5	23
29	Kediri	4	4	4	4	5	21
30	Bojonegoro	4	1	5	3	3	16
31	Pontianak	5	4	5	5	9	28
32	Singkawang	2	3	2	1	4	12
33	Palangkaraya	5	6	3	1	4	19
34	Banjarmasin	5	4	6	2	5	22
35	Samarinda	4	5	6	8	6	29
36	Manado	5	1	7	3	4	20
37	Palu	6	7	3	3	9	28
38	U.Pandang	9	9	4	4	13	39
39	Kendari	4	1	7	3	12	27
40	Dempasar	8	4	4	6	10	32
41	Mataram	7	7	3	4	7	28
42	Kupang	3	2	5	2	6	18
43	Ambon	3	3	4	3	6	19
44	Ternate	1	2	3	2	0	8
45	Jaya Pura	4	2	4	2	7	19
46	Sorong	1	2	4	1	0	8
47	Dili	1	2	5	3	1	12
	Total 1 (ALL)	323	169	256	251	414	1,413
	Total 2 (BRA>)	292	168	248	227	331	1,266

1993 Staff

No.	Branch Name	Insp.	Adj. Insp.	Metr. Pol.	Techn. Assist.	Admin. & Others	TOTAL
0	DOM	32	2	1	22	87	144
1	Banda Aceh	6	3	3	2	6	20
2	Langsa	2	2	4	1	0	9
3	Medan	12	5	5	9	17	48
4	P.Siantar	10	3	4	4	7	28
5	Padang	5	4	7	4	7	27
6	Pekanbaru	8	4	5	10	10	37
7	Jambi	8	3	2	2	5	20
8	Palembang	7	5	3	5	7	27
9	Lampung	9	4	8	7	5	33
10	Bengkulu	6	4	4	3	4	21
11	Jakarta	17	3	10	12	23	65
12	Bandung	9	5	7	8	14	43
13	Serang	7	4	6	3	4	24
14	Purwakarta	5	3	8	4	3	23
15	Bogor	7	7	3	7	5	29
16	Tasikmalaya	8	4	4	9	7	32
17	Cirebon	8	5	5	2	7	27
18	Semarang	15	3	8	8	18	52
19	Tegal	7	2	7	2	7	25
20	Pati	7	4	7	3	5	26
21	Purwokerto	8	3	8	3	5	27
22	Surakarta	14	2	8	8	9	41
23	Magelang	5	2	6	3	6	22
24	Yogyakarta	13	9	3	7	9	41
25	Surabaya	13	3	10	15	8	49
26	Jember	5	3	3	5	12	28
27	Malang	13	3	6	5	12	39
28	Madiun	5	2	4	6	5	22
29	Kediri	4	3	4	4	5	20
30	Bojonegoro	4	1	7	3	4	19
31	Pontianak	5	7	2	5	9	28
32	Singkawang	3	1	2	1	4	11
33	Palangkaraya	8	3	2	1	4	18
34	Banjarmasin	5	6	4	2	6	23
35	Samarinda	6	4	6	7	6	29
36	Manado	6	2	5	3	5	21
37	Palu	10	3	3	3	9	28
38	U.Pandang	16	2	4	3	15	40
39	Kendari	4	1	8	3	12	28
40	Dempasar	9	7	1	5	9	31
41	Mataram	9	4	3	4	7	27
42	Kupang	4	4	2	3	6	19
43	Ambon	2	4	1	3	7	17
44	Ternate	1	2	3	2	0	8
45	Jaya Pura	3	3	3	3	6	18
46	Sorong	2	1	6	0	1	10
47	Dili	2	2	6	1	1	12
Total 1 (ALL)		374	166	231	235	430	1,436
Total 2 (BRA>)		342	164	230	213	343	1,292

Table 3 - 7

表 3 - 7 LIST OF MEASURING EQUIPMENT

1 - 1

BRANCH LOCATION : BANDA ACEH
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	Mass and Balance -E ₂ class Mass Standard -F ₁ class Mass Standard -3 rd class Mass of Control Standard - Working Standard of weight -Reference of weights -Precision Equal Toms Balance -Equal Arms Balance for Verification of Weights	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 2 sets 1 kg - 10 kg (Bross) 2 sets 1 g - 1 g (Verchroom) 1 set 1 g - (Iron) 2 sets 3 piece of 25 g 1 set 3 piece of w g 1 set 5 g 1 set w g 1 set 1 set 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 2 sets B class 10 kg 2 sets C class 1 kg 2 sets D class 50 kg 2 sets E class 1000 mg 1 set 1 set 1 set 1 set		C C C C A A A A A A A A A B B B A A A A A B C B
2	FLOW STANDARD -Eleet Meter Calibration -Eleet Meter Sub-Std Meter -Potable Master Test Bench			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

1-2

BRANCH LOCATION : BANDA ACEH
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
3	-Water Meter Test Bench -Take Meter Instalation Volume Standard -Vessels -Prover Tank	..... 1 set 1 set 5 l , 10 l , 20 l , 50 l , 100 l , 200 l , 500 l and 1000 l 1 set 5 ml - 1000 ml (9 Cass) 1 set 5 l , w l , 200 l 2 sets		A B
4	Length Standard -3 th class meter Standard -Compare for -Bourge Box -Mesuring Stick OthersA	..... 1 set 1 set 1 set 1 set		C B A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

2-1

BRANCH LOCATION : LANGSA
ITEM OF MEASURING INSTRUMENT

Page: 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ class Weight Standard -F ₁ class Weight Standard -3 rd class Weight Standard -Working Standard of Weight	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 kg - 20 kg 2 sets 25 kg 3 tons 3 piece of 25 kg 4 tons 2 piece of 10 kg 4 tons 5 kg 4 tons 2 each 10 kg 1 set		C C C A A A A A A
	-Precision Equal Arms Balance -C class -D class -E class	1kg 1 set 50 g 1 set 1000 mg 1 set		B B B
	-Equal Arms Balance for Verifi- cation of Weights -A class -B class -C class -D class -E class	75 kg 1 set 10 kg 2 sets 1 kg 1 set 50 g 1 set 1000 mg 1 set		A A A A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

2-2

BRANCH LOCATION : LANGSA
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD -Lanometer -Thermometer -Manometer -(gels taleor) -Dcusimeter	500 l , 200 l 1 set 20 l 3 sets 10 l 2 sets 5 l 1 set 1 set 2 sets 1 set 5 ml - 1000 ml 9 sets 1 set		A A A A C B C C C
3	FRON STANDARD -Electrical Meter Calibration -Portable Elect-Sub-Std Ieter	..... 1 set 1 set		B C
4	LENGTH STANDARD -3 th class Meter Standard -Working Meter Standard -Estimation Stick -Measure Crossing Meter (Longkat Uleor) -Mierometer	..... 1 set 2 sets 1 set 1 set 1 set		C A A A
5	OTHER	0.1 second		C

* Note A : Usually, B : Often, C : Sometimes

LIST OF FACIRITY & EQUIPMENT

DATE:

Lab. name

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	Facirity and equipment name	Specification	Remarks
1.	Length / Van Becker	0 - 100 cm (No.2988)	
2.	Mass / Weight class F1	1 mg to 1000 g	
3.	Mass / Weight class E2	1 mg to 1000 g	
4.	Balance (2 unit)	Becker Delt NV 1000 mg	
5.	Balance (1 unit)	NV julian H Becker 50 g	
6.	Balance (1 unit)	NV julian H Becker 100 g	
7.	Balance (3 unit)	NV julian H Becker 10 kg	
8.	Balance (2 unit)	NV julian H Becker 75 kg	
9.	Mass / Density meter	cap. O1600 - 2000 g / ml	
10.	Mass / Hardnes tester (2unit)	Shinadzu & Ames HR	
11.	Volume (8 unit)	5 ℓ ; 10 ℓ ; 20 ℓ ; 50 ℓ ; 100 ℓ ; 200 ℓ ; 500 ℓ ; 1000 ℓ	
12.	Electoronic thermoboth	Scott ct 1150, cap 0 - 200°C	
13.	Thermometers	Lauda H00053, cap 100°C	
14.	Electricity meter	Laudis & Gyr 2001	
15.	Electricity meter	Metrotec Schlumberger B932482	
16.	Water meters	L Fiudo LF - 2 No. 91 - 001A & 91 - 001 B	
17.	Taki meters	L Fuido rolltester LF - HR No. 910001	

LIST OF MEASURING EQUIPMENT

4 - 1

BRANCH LOCATION : PEMATANG SIANTAR
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> - 3rd class Mass Standard - E₂ class Mass Standard - F₁ class Mass Standard - Working Mass Standard <ul style="list-style-type: none"> - Reference of Class - Hydrostatic Balance - Hardness Tester Block - Precision Balance - Verification Balance 	<p>1 kg 1 set</p> <p>1 mg - 1 kg 1 set</p> <p>1 mg - 1 kg 1 set</p> <p>1 kg - 10 kg (Brass) 2 sets</p> <p>1 g - 1 kg (Vechroom) 2 sets</p> <p>1 mg - 1000 mg (Aluminium) 2 sets</p> <p>1 kg - 20 kg (Iron) 2 sets</p> <p>25 kg (Iron) 6 sets</p> <p>3 pieces of 25 kg 6 sets</p> <p>2 pieces of 10 kg 4 sets</p> <p>1 a¹ 5 kg 2 sets</p> <p>2 a¹ 10 kg 2 sets</p> <p>..... 1 set</p> <p>..... 1 set</p> <p>..... 1 set</p> <p>..... 1 set</p> <p>C class 1 kg 1 set</p> <p>D class 50 g 1 set</p> <p>E class 1000 mg 1 set</p> <p>A class 75 kg 1 set</p> <p>B class 10 kg 2 sets</p> <p>C class 1 kg 2 sets</p> <p>D class 50 g 2 sets</p> <p>E class 1000 mg 1 set</p>		<p>B</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>B</p> <p>C</p> <p>A</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>A</p> <p>A</p> <p>A</p>

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : PEMATANG SIANTAR
 ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD - Volume Standard of Glass - Vessels	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l, 1000 l 1 set 5 l, 10 l, 20 l 1 set		C A
3	FLOW STANDARD - Electrical Meter Calibration / Landys & Gyr - Portable Electrical Sub Standard Meter / Metrotee	..... 1 set 1 set		A B
4	LENGTH STANDARD - 3th class Length Standard - Working Length Standard - Comparator - Stick for Measuring - Micrometer - Bourye Box	..... 1 set 1 set 1 set 1 set 1 set 2 sets		B A A A B A
5	OTHERS - Thermometer - Psychrometer - Memometer - Cury Barometer - Stop Watch	0° - 100° C, Scale 0.1° C 2 sets 1 set 1 set 1 set 0.1° Second 1 set 0.01 Second 1 set		B C C C B B

*Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

5-1

BRANCH LOCATION : PADANG
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Mass Standard -F₁ Class Mass Standard -3rd Class Mass Standard -Contra Standard of Mass -Working Mass Standard -Reference of Mass -Precision Equal Arms Balance <p>-Equal Arms Balance for Verification of Mass</p> <p>-Hydrostatic Balance</p> <p>-Hardness Tester Block</p>	<p>1 mg - 1 kg 1 set</p> <p>1 mg - 1 kg 1 set</p> <p>1 kg 1 set</p> <p>1 g - 1 kg 7 sets</p> <p>1 kg - 10 kg (Brass) 12 sets</p> <p>1 g - 1 kg (Verchroom) 3 sets</p> <p>1 mg - 1000 mg (Aluminium) 6 sets</p> <p>1 kg - 20 kg (Iron) 20 sets</p> <p>25 kg - (Iron) 3 sets</p> <p>3 pieces of 25 kg 3 sets</p> <p>2 pieces of 10 kg 3 sets</p> <p>1 a' 5 kg 3 sets</p> <p>2 a' 10 kg 3 sets</p> <p>..... 1 set</p> <p>C class 1 kg 1 set</p> <p>D class 50 g 1 set</p> <p>E class 1000 mg 2 sets</p> <p>A class 75 kg 1 set</p> <p>B class 10 kg 5 sets</p> <p>C class 1 kg 4 sets</p> <p>D class 50 g 4 sets</p> <p>E class 1000 g 4 sets</p> <p>..... 1 set</p> <p>..... 3 sets</p>		<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>B</p> <p>B</p> <p>B</p> <p>B</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>-</p> <p>B</p> <p>B</p>

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : PADANG
 ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW -Electrical Meter Calibration -Portable Electrical Sub Standard Meter	..... 1 set 1 set		B C
3	VOLUME STANDARD - Vessels	5 l , 20 l , 50 l 1 set		A
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard -Comparator -Bourye Box -Working Length Standard 20 m	..... 1 set 2 sets 1 set 3 sets 1 set		C A B A A
5	OTHERS -Thermometer -Psychrometer -Stop Watch	..... 1 set 1 set 0.1 second 1 set		B C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

6-1

BRANCH LOCATION : PEKANBARU
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -3 th Class Mass Standard -E ₂ Class Mass Standard -F ₁ Class Mass Standard -2 nd Class Contra Standard of Mass -Working Mass Standard	1 kg 1 set 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1000 mg (Stainless Steel) 1 set 1 kg - 10 kg (Brass) 10 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 20 sets 25 kg (Iron) 7 tons 3 pieces of 25 kg 10 sets 2 pieces of 10 kg 10 sets 1 a' 5 kg 5 sets 2 a' 10 kg 2 sets C class 1 kg 1 set D class 50 g 2 sets E class 1000 mg 2 sets A class 75 kg 1 set B class 10 kg 3 sets C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg 1 set 1 set 1 set 1 set		C C C C C A A A A A A A A B B B A A A A A B B
	-Precision Balance			
	-Verification Balance			
	-Reference of Mass			
	-Moisture Defermination Balance			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : PEKANBARU
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration / Precetes -Portable Electrical Sub Standard Meter -Hydrocarbon 150 m ³	..... 1 set		B
		..... 1 set		C
		..... 1 set		B
3	VOLUME STANDARD -Volume Standard of Class -Vessels	5 ml - 1000 ml 1 set		B
		5 l, 10 l, 20 l, 50 l, 100 l, 200 l, 500 l 1000 l 1 set		A
		5 l, 10 l, 20 l 3 sets		A
		..... 1 set		B
4	LENGTH STANDARD -3th Class Length Standard -Working Length Standard (Meter Bar) -Working Length Standard -Comparator -Bourye Box -Stick for Measuring -Micrometer	..... 1 set		B
		..... 2 sets		A
		20 m 1 set		B
		..... 1 set		A
		..... 2 sets		A
		..... 2 sets		A
		..... 1 set		A
5	OTHERS -Thermometer -Psychrometer -Manometer -Stop Watch	0° - 100 °C, Scale 0.1 °C 2 sets		B
		..... 1 set		C
		..... 1 set		C
		0.1 second 1 set		B
		0.01 second 1 set		B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

7-1

BRANCH LOCATION : JAMBI

ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -3 rd Class Mass Standard -E ₂ Class Mass Standard -F ₁ Class Mass Standard -Working Mass Standard	1 kg 1 set 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg (Brass) 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1000 mg (Aluminium) 1 set 1 kg - 20 kg (Iron) 1 set 25 kg (Iron) 6 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets		C C C A A A A A A A C B B B A A A A A B C B
	-Reference of Mass	..... 1 set		C
	-Precision Balance	C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set		C B B
	-Varification Balance	A class 75 kg 1 set B class 10 kg 2 sets C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg 1 set		A A A A A
	-Moisture Determination Balance	..... 1 set		A
	-Hydrostatic Balance	..... 1 set		B
	-Hardness Tester Block	..... 1 set		C
		..... 1 set		B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : JAMBI

ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD -Volume Standard of Glass -Vessels	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l, 1000 l 1 set 5 l, 10 l, 20 l 1 set		C A A
3	FLOW STANDARD -Electrical Meter Calibration / Precetes -Electrical Sub Standard Meter / Metrofee	..... 1 set 1 set		B C
4	LENGTH STANDARD -3th Class Length Standard -Working Length Standard -Comparator -Stick for Measuring -Micrometer	..... 1 set 1 set 2 sets 1 set 1 set		B A B A A
5	OTHERS -Thermometer -Psychrometer -Mercury Barometer -Manometer -Densimeter	0° - 100°C, Scale 0.1°C 1 set 1 set 1 set 1 set 1 set		B C C C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

8-1

BRANCH LOCATION : PALEMBANG
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE - 3 rd Class Mass Standard - 2 nd Class Contra Standard of Mass - E ₂ Class Mass Standard - F ₁ Class Mass Standard - Working Mass Standard	1 kg 1 set 1 g - 1 kg 2 sets 1 mg - 1000 mg 2 sets 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 5 sets 25 kg (Iron) 6 tons 3 pieces of 25 kg 3 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets 1 set C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 2 sets C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg 2 sets		B B B B B A A A A A A A A A B B B B B A A A
	- Hardness Tester Block - Precision Balance - Verification Balance			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : PALEMBANG
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD - Volume Standard of Glass - Vessels	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l, 1000 l 1 set 5 l, 10 l, 20 l 2 sets		B A A
3	FLOW STANDARD - Electrical Sub Standard Meter / Metrofee - Portable Master Meter / Satam	..... 1 set 1 set		C B
4	LENGTH STANDARD - 3 th Class Length Standard - Working Length Standard - Comparator - Bourye Box - Stick for Measuring - Micrometer	..... 1 set 1 set 2 sets 1 set 1 set 1 set		B B A B A B
5	OTHERS - Thermometer - Psychrometer - Stop Watch - Manometer - Densimeter	0° - 100°C, Scale 0.1°C 1 set 1 set 0.1 second 1 set 0.01 second 1 set 1 set 1 set		B C C C C B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : BANDAR LAMPUNG
ITEM OF MEASURING INSTRUMENT

9-1

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS AND BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -Working Mass Standard -Precision Equal Arms Balance -Equal Arms Balance for Verification of Mass -Hydrostatic Balance -Hardness Tester Block	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 3 sets 1 kg - 20 kg (Iron) 2 sets 25 kg (Iron) 3.8 ton 3 pieces of 25 kg 1 set 2 pieces of 10 kg 1 set 5 kg 1 set 10 kg 1 set E class 1000 mg 2 sets A class 75 kg 1 set B class 10 kg 1 set C class 1 kg 1 set 2 sets		C C C A A A A A A B A A A B B
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter	..... 1 set 1 set		B C
3	VOLUME STANDARD -Volume Standard of Glass Vessels	5 ml - 1000ml 1 set 5 l, 10 l, 20 l, 50 l and 1000 l 1 set 10 l, 20 l and 1000 l 1 set		C A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : BANDAR LAMPUNG
 ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
4	LENGTH STANDARD -Working Length Standard -Comparator	..... 1 set 1 set		A B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : BENGKULU
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Mass Standard -F₁ Class Mass Standard -3rd Class Mass Standard -Contra Standard of Mass -Working Mass Standard -Reference of Mass -Precision Equal Arms Balance -Equal Arms Balance for Verification of Mass -Hardness Tester Block 	<ul style="list-style-type: none"> 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1 g (Stainless Steel) 1 set 1 kg - 10 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 2 sets 25 kg (Iron) 3 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets - C class 1 kg - D class 50 g - E class 1000 mg - A class 75 kg 1 set B class 10 kg 1 set C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg - 3 sets 		<ul style="list-style-type: none"> C C C C C A A A A A A A A - - - - A A A A - B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

10-2

BRANCH LOCATION : BENGKULU
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter -Water Meter Test Bench	..... 1 set 1 set 1 set		B C A
3	VOLUME STANDARD -Volume Standard of Glass -Vessels	5 ml - 1000ml 2 sets 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l, 1000 l 1 set 10 l, 20 l, 50 l, 100 l 1 set		C A A
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard -Working Length Standard 20 m -Micrometer -Comparator -Bourye Box	..... 1 set 2 sets 1 set 2 sets 1 set 2 sets		C A A C B A
5	OTHERS -Thermometer -Barometer -Stop Watch -Manometer -Densimeter	0° - 100°C, Scale 0.1°C 1 set 1 set 0.1 second 1 set 0.01 second 2 sets 1 set 1 set		B C C C C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : BANDUNG (REGION OFFICE)
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -3 rd Class Mass Standard -2 nd Class Contra Standard of Mass -E ₂ Class Mass Standard -F ₁ Class Mass Standard -Working Mass Standard -Reference of Mass -Precision Balance -Verification Balance -Hardness Tester Block	1 kg 1 set 1 g - 1 kg 3 sets 1 mg - 1000 mg 4 sets 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg (Brass) 20 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 3 sets 1 kg - 20 kg (Iron) 50 sets 25 kg - (Iron) 7 tons 3 pieces of 25 kg 4 sets 2 pieces of 10 kg 4 sets 1 a' 5 kg 4 4 sets 2 a' 10 kg 3 sets 1 set C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg 2 sets A class 75 kg 2 sets B class 10 kg 4 sets C class 1 kg 6 sets D class 50 g 5 sets E class 1000 mg 2 sets 1 set		C C C C C A A A A A A B B B B C B B B B B A A A B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

12-2

BRANCH LOCATION : BANDUNG (BRANCH OFFICE)
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration / Precetest -Electrical Sub Standard Meter / Metrofee -Master Meter -Roll Tester	..... 1 set 1 set 1 set 1 set		B C B B
3	VOLUME STANDARD - Volume Standard of Glass - Vessels	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l, 1000 l 1 set 5 l, 10 l, 20 l 2 sets		C A A
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard (Meter Bar) -Working Length Standard -Comparator -Bourye Box -Micrometer -Stick for Measuring	..... 1 set 3 sets 20 m 1 set 2 sets 2 sets 1 set 2 sets		B B B B B B A
5	OTHERS -Thermometer	0° - 100 °C, Scale 0.1 °C 3 sets		B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

12-3

BRANCH LOCATION : BANDUN (BRANCH OFFICE)
 ITEM OF MEASURING INSTRUMENT

Page : 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
	-Psychrometer	..... 1 set		C
	-Densimeter	..... 1 set		C
	-Mercury Barometer	..... 1 set		C
	-Stop Watch	0.1 second 1 set		C
	-Manometer	0.01 second 1 set		C
		..... 1 set		C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : SERANG
 ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1.	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -3 rd Class Mass of Contra Standard -Working Standard of Weights	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1 g (Stainless Steel) 1 set 1 kg - 10 kg (Brass) 10 sets 1 g - 1 kg (Verchroom) 1 set 1 mg - 1000 mg (Aluminium) 1 set 1 kg - 20 kg (Iron) 2 sets 25 kg (Iron) 8 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 5 kg 2 sets 10 kg 2 sets E class 1000 mg 1 set A class 75 kg 2 sets B class 10 kg 2 sets C class 1 kg 3 sets D class 50 mg 2 sets E class 1000 mg 1 set 1 kg 1 set 3 sets 1 set 1 set 1 set		C C C C C A A A A A A A A A B A A A A A C B B B B
	-Precision Equal Arms Balance -Equal Arms Balance for Verification of Weight -Hydrostatic Balance -Hardness Tester Block -Micro Balance (Sartorius) -Analysis Balance (Sartorius) -Precision Balance			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

13-2

BRANCH LOCATION : SERANG
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration -Electrical Meter Sub Standard Meter -Master Meter	..... 1 set 1 set 1 set		B C B
3	VOLUME STANDARD - Vessels -Can (Glass)	5 l , 10 l , 20 l , 50 l , 100 l , 200 l 500 l and 1000 l 1 set 5 ml - 1000ml (Glass) 14 sets		A -
4	LENGTH STANDARD -3th Class Meter Standard -Working Meter Standard -Comparator -Bourye Box -Measuring Stick	..... 1 set 1 set 2 sets 2 sets 1 set		C B B A A
5	OTHERS -Thermometer -Stop Watch -Manometer	..... 1 set 0.01 second 1 set 1 set		B C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

14 - 1

BRANCH LOCATION : PURWAKARTA
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -2 nd Class Contra Standard of Mass -Working Standard of Mass	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 2 sets 1 kg - 20 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 3 sets 25 kg - (Iron) 5 tons 3 pieces of 25 kg 6 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 3 sets C class 1 kg 2 sets D class 50 g 1 set E class 1000 mg -		C C C C A A A A A A A A A A B B B A A A A - B
2	FLOW STANDARD -Portable Electrical Sub Standard Meter	..... 1 set		B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

14-2

BRANCH LOCATION : PURWAKARTA
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
3	VOLUME STANDARD - Volume Standard of Glass - Vessels	..... 1 set 5 ml - 2000 ml 1 set 5 l, 10 l, 20 l 2 sets 50 l, 100 l, 200 l, 500 l, 1000 l 1 set		C C A A
4	LENGTH STANDARD - Working Length Standard - Comparator - Bourye Box - Micrometer - Stick for Measuring - Deep Tape 5 m	..... 2 sets 1 set 2 sets 1 set 2 sets 1 set		A B A C A B
5	OTHERS - Thermometer - Mercury Barometer - Manometer - Densimeter	..... ..... 1 set 1 set 24 sets		- C C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

15-1

BRANCH LOCATION : BOGOR
ITEM OF MEASURING INSTRUMENT

Page: 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -2 nd Class Mass Standard Contra -Working Mass Standard	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg 2 sets 1 mg - 1000 mg 1 set 1 kg - 10 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 3 sets 1 mg - 1000 mg (Aluminium) 1 set 1 kg - 10 kg (Iron) 2 sets 25 kg - (Iron) 6 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 2 sets C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg 2 sets 500 g 1 set 1 set 1 set		C C C C C A A A A A A A B B B A A A A A B A B
	-Precision Balance -Verification Balance			
	-Hydrostatic Balance -Hardness Tester Block -Moisture Determination Balance			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

15-2

BRANCH LOCATION : BOGOR
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD -Vessels	5 l, 10 l, 20 l, 50 l, 100 l, 200 l, 500 l, 1000 l 1 set 5 l, 10 l, 20 l 2 sets		A A
3	FLOW STANDARD -Electrical Meter Calibration / Etalgie -Portable Electrical Sub Standard Meter / Metrofee	..... 1 set 1 set		B C
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard -Comparator -Bourye Box -Stick for Measuring -Micrometer	..... 1 set 1 set 2 sets 2 sets 1 set 1 set		B A A A A A
5	OTHERS -Thermometer -Psychrometer -Mercury Barometer -Stop Watch -Manometer -Densimeter	0° - 100 °C, Scale 0.1 °C 2 sets 1 set 1 set 0.1 second 2 sets 0.01 second 1 set 1 set 1 set		B C C B B C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

16-1

BRANCH LOCATION : TASIKMALAYA
ITEM OF MEASURING INSTRUMENT

Page: 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -2 nd Class Contra Standard of Mass -Working Mass Standard	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg 4 sets 1 mg - 1000 mg 1 set 1 kg - 10 kg (Brass) 1 set 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 1 set 1 kg - 20 kg (Iron) 2 sets 25 kg (Iron) 6,250 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg C class 1 kg D class 50 g E class 1000 mg A class 75 kg 2 sets B class 10 kg 3 sets C class 1 kg 4 sets D class 50 g 2 sets 2 sets		C C C C C A A A A A A A A A - B B B A A A A A -
	-Precision Balance -Verification Balance -Hardness Tester Block -Moisture Determination Balance			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : TASIKMALAYA
ITEM OF MEASURING INSTRUMENT

Page: 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD -Vessel 100 l , 200 l , 500 l , 1000 l 1 set 5 l 2 sets 10 l 3 sets 20 l 4 sets 50 l 2 sets			A A A A A
3	LENGTH STANDARD -3 th Class Length Standard 1 set -Working Length Standard 1 set -Comparator 2 sets -Bourye Box 3 sets -Stick for Measuring 1 set -Micrometer 1 set			B A A A A A
5	OTHERS -Thermometer 2 sets -Psychrometer 1 set -Mercury Barometer 1 set -Stop Watch 2 sets -Manometer 1 set -Densimeter 1 set			B B B B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : CIREBON
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -3th Class Mass Standard -3th Class Contra Standard of Mass -E₂ Class Mass Standard -F₁ Class Mass Standard -Working Mass Standard <p style="margin-top: 20px;">-Precision Balance</p> <p style="margin-top: 20px;">-Verification Balance</p>	<p>1 kg 1 set</p> <p>1 g - 1 kg (Verchroom) 1 set</p> <p>1 mg - 1000 mg (Stainless Steel) 1 set</p> <p>1 mg - 1 kg 1 set</p> <p>1 mg - 1 kg 1 set</p> <p>1 kg - 10 kg (Brass) 13 sets</p> <p>1 g - 1 kg (Verchroom) 4 sets</p> <p>1 mg - 1000 mg (Aluminium) -</p> <p>1 kg - 20 kg (Iron) 33 sets</p> <p>25 kg (Iron) 6.0 tons</p> <p>3 pieces of 25 kg 12 sets</p> <p>2 pieces of 10 kg 12 sets</p> <p>1 a' 5 kg 4 sets</p> <p>2 a' 10 kg -</p> <p>C class 1 kg 1 set</p> <p>D class 50 g 1 set</p> <p>E class 1000 mg 2 sets</p> <p>A class 75 kg 1 set</p> <p>B class 10 kg 3 sets</p> <p>C class 1 kg 2 sets</p> <p>D class 50 g 2 sets</p> <p>E class 1000 mg -</p>		<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>A</p> <p>A</p> <p>-</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>B</p> <p>B</p> <p>B</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>-</p>

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

18 - 1

BRANCH LOCATION : SEMARANG
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -3 th Class Mass Standard -2 nd Class Contra Standard of Mass -E ₂ Class Mass Standard -F ₁ Class Mass Standard -Working Mass Standard	1 kg 1 set 1 g - 1 kg 5 sets 1 mg - 1000 mg 6 sets 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg 25 sets 1 g - 1 kg 5 sets 1 mg - 1000 mg 4 sets 1 kg - 20 kg 60 sets 25 kg 8 tons 3 pieces of 25 kg 4 sets 2 pieces of 10 kg 4 sets 1 a' 5 kg 4 sets 2 a' 10 kg 4 sets 1 set 1 set 1 set 1 set		C C C B B A A A A A B B B B C C A A
2	VOLUME STANDARD -Volume Standard of Glass -Vessel -Volumetric Test Gauge	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l, 1000 l 1 set 5 l, 10 l, 20 l 3 sets 1 set		B A A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

18 - 2

BRANCH LOCATION : SEMARANG
ITEM OF MEASURING INSTRUMENT

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No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
3	FLOW STANDARD -Electrical Meter Calibration / Lamdys & Gyr -Portable Electrical Sub Standard Meter / Metrofee -Portable Master Meter -Hydrocarbon 150 m ³	..... 1 set 1 set 1 set 1 set		B C B B
4	LENGTH STANDARD -3 th Length Standard -Working Length Standard (Meter Bar) -Comparator -Bourye Box -Micrometer -Stick for Measuring -Working Length Standard 20 m	..... 1 set 3 sets 1 set 3 sets 2 sets 2 sets 1 set		B A B B A A C
5	OTHERS -Thermometer -Psychrometer -Mercury Barometer -Stop Watch	..... 5 sets 1 set 1 set 1 set 1 set 1 set		C C B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

19 - 1

BRANCH LOCATION : TEGAL
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 th Class Mass Standard -2 nd Class Contra Standard -Working Mass Standard -Reference of Mass -Precision Balance -Verification Balance -Hydrostatic Balance -Electrical Micro Balance	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1 g (Stainless Steel) 1 set 1 kg - 10 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 2 sets 25 kg (Iron) 4 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets 1 set 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 g 1 set C class 1 kg 1 set D class 50 g - E class 1000 mg 1 set 500 g 1 set 1 set		C C C C C A A A A A A A A A A B B B B A A A - A C A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

19-2

BRANCH LOCATION : TEGAL

ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	-Mechanical Micro Balance -Mechanical Precision Balance -Hardness Tester FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter -Master Meter (Portable)	..... 1 set 1 set 1 set 1 set 1 set 1 set		A A B B C A
3	VOLUME STANDARD -Volume Standard of Glass -Vessels	..... 1 set 5 l, 10 l, 20 l, 50 l 2 sets		C A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : PATI

ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 th Class Mass Standard -Working Mass Standard	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 kg - 10 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 2 sets 25 kg (Iron) 3 tons 3 pieces of 25 kg 3 sets 2 pieces of 10 kg 3 sets 1 a' 5 kg 3 sets 2 a' 10 kg 3 sets 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 3 sets C class 1 kg 7 sets D class 50 g 4 sets 1 set 2 sets		C C C A A A A A A A B B B B A A A A C A
	-Reference of Mass -Precision Equal Arms Balance			
	-Equal Arms Balance for Verifi- cation of Mass -Hydrostatic Balance -Hardness Tester Block			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

20-2

BRANCH LOCATION : PATI
ITEM OF MEASURING INSTRUMENT

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No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD - Electrical Sub Standard Meter (Portable)	..... 1 set		C
3	VOLUME STANDARD - Volume Standard of Glass - Vessels	5 ml - 1000 ml 2 sets 5 l, 10 l, 20 l, 50 l, 100 l, 200 l, 500 l and 1000 l 1 set 5 l, 10 l and 20 l 1 set		C A A
4	LENGTH STANDARD - 3 rd Class Length Standard - Working Length Standard - Comparator - Bourye Box - Micrometer	..... 1 set - 3 sets 2 sets 1 set		C - B A C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

21 - 2

BRANCH LOCATION : PURWOKERTO
ITEM OF MEASURING INSTRUMENT

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No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD - Portable Electrical Sub Standard Meter - Water Meter Test Bench	..... 1 set 1 set		A A
3	VOLUME STANDARD - Vessels - Burrets	5 l 2 sets 10 l 2 sets 20 l 4 sets 50 l 3 sets 100 l 1 set 200 l 2 sets 500 l 1 set 1000 l 2 sets 10 ml - 2000 ml 9 sets		A A A C C B A A C
4	LENGTH STANDARD - Working Meter Standard 20 m - Comparator - Bourye Box - Bar Meter - Micrometer	..... 1 set 2 sets 2 sets 1 set 1 set		C B A A C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

21 - 3

BRANCH LOCATION : PURWOKERTO
ITEM OF MEASURING INSTRUMENT

Page: 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
5	<p>OTHERS</p> <ul style="list-style-type: none"> -Thermometer -Stop Watch -Mamometer -Densimeter -Dial Indicator 	<ul style="list-style-type: none"> 0° - 100 °C, Scale 0.1 °C 1 set 20° - 30 °C, Scale 0.01 °C 1 set 25° - 35 °C, Scale 0.01 °C 1 set 0.1 second 2 sets 1 second 1 set 1 set 1 set 1 set 1 set 		<ul style="list-style-type: none"> B B B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

22 - 1

BRANCH LOCATION : SURAKARTA
ITEM OF MEASURING INSTRUMENT

Page: 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	WEIGHTS & BALANCE -Class E ₂ -Class F ₁ -Working Standard of Weights -Precision Equal Arms Balance -Equal Arms Balance for Verification of Weights -Hardness Tester	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg 1 set 1 g - 1 kg 6 sets 1 mg - 1000 mg 1 set 1 kg - 20 kg (Iron) 3 sets 25 kg (Iron) 440 pieces C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 2 sets C class 1 kg 5 sets D class 50 g 4 sets A class 75 kg 1 set B class 10 kg 4 sets 3 sets 20 l, 10 l, 5 l, 50 l, 100 l, 200 l, 500 l, 1000 l 1 set 10 m ³ /h (Ø13 - 40 mm) two tows equipped with: a. Volume Standard 250 l., 10 l., 5 l b. Flow Indicator c. Pressure Gauge (Input and Output) d. Automatic Valve e. Water Pump		C C A A A A A A B B B A A A A A B A B A
2	VOLUME -Standard Volume -Master Meter for Flow -Water Meter Test Bench			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : SURAKARTA
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
3	LENGTH -Standard III -Working Standard of Length -Dip Stick -Manometer -Cross Stick -Vennier -Micrometer -Working Standard of 20 m -Contrator	..... 1 set 1 m 1 set 1 m 1 set 1 set 1 set 1 set 2 sets 1 set 1 set 1 m		C A A C A C C A B
4	ELECTRICITY METER -Portable Test Equipment -Precitest - Test Bench Walthour Meter -kwh Meter -Multimeter	Metrotec 1 set 1 set 3 phase 1 set 1 phase 1 set 1 set		C B C C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

23 - 1

BRANCH LOCATION : MAGELANG
ITEM OF MEASURING INSTRUMENT

Page: 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE - 3 rd Class Mass Standard - 2 nd Class Contra Standard of Mass - E ₂ Class Mass Standard - F ₁ Class Mass Standard - Working Mass Standard - Reference of Mass - Precision Balance - Verification Balance - Hydrostatic Balance	1 kg 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1 g (Stainless Steel) 1 set 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 2 sets 25 kg (Iron) 3 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 3 sets C class 1 kg 2 sets D class 50 g 1 set E class 1000 mg - 500 g 1 set		C C C C C A A A A A A A A A A B B B B A A A A - C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : MAGELANG
 ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter	..... 1 set 1 set		B C
3	VOLUME STANDARD -Vessel	5 l , 10 l , 50 l , 100 l 1 set 20 l 2 sets		A A
4	LENGTH STANDARD -3 rd Class Length Standard -Comparator -Bourye Box -Micrometer	..... 1 set 2 sets 2 sets 1 set		B C A B
5	OTHERS -Thermometer -Manometer -Densimeter	0° - 100 °C , Scale 0.1 °C 1 set 1 set 1 set		B C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

24 - 1

BRANCH LOCATION : YOGYAKARTA
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -3 th Class Mass Standard -2 nd Class Contra Standard of Mass -E ₂ Class Mass Standard -F ₁ Class Mass Standard -Working Mass Standard -Reference of Mass -Precision Balance -Verification Balance -Hardness Tester Block -Moisture Df. Balance	1 kg 1 set 1 g - 1 kg 3 sets 1 mg - 1 g 4 sets 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg 21 sets 1 g - 1 kg 3 sets 1 mg - 1000 mg 2 sets 1 kg - 20 kg 57 sets 25 kg 6.8 tons 3 pieces of 25 kg 4 sets 2 pieces of 10 kg 4 sets 1 a' 5 kg 4 sets 2 a' 10 kg 4 sets 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 2 sets A class 75 kg 3 sets B class 10 kg 4 sets C class 1 kg 7 sets D class 50 g 6 sets E class 1000 mg - 1 set 1 set		C C C B B A A A A A A A A B B B B A A A A - A B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : YOGYAKARTA
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter -Portable Master Meter -Roll Tester -Water Meter Test Bench	..... 1 set 1 set 1 set 1 set 1 set		B C B A A A
3	VOLUME STANDARD - Volume Standard of Glass - Vessel	5 ml - 1000 ml 1 set 2000 ml 1 set 5 l 2 sets 10 l 3 sets 20 l 3 sets 50 l 1 set 200 l 1 set 1000 l 1 set		C C A A A A A A
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard (Meter Bar) -Comparator -Micrometer -Bourye Box -Stick for Measuring -Working Length Standard	..... 1 set 3 sets 1 set 1 set 4 sets 3 sets 1 set		B A A B A A B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

24 - 3

BRANCH LOCATION : YOGYAKARTA
ITEM OF MEASURING INSTRUMENT

Page: 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
5	OTHERS -Thermometer -Stop Watch	..... 7 sets 0.1 second 1 set 0.01 second 1 set		B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

25 - 2

BRANCH LOCATION : SURABAYA
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration / Ethalogir -Master Meter -Portable Electrical Sub Standard Meter / Metrofee -Hydro Carbon -Taximeter / Roll Tester -Mass Meter Standard	..... 1 set 1 set 1 set 150 m ³ 1 set 1 set 1 set		B B C B A B
3	VOLUME STANDARD -Vessels	5 l 5 sets 10 l 8 sets 20 l 2 sets 50 l 2 sets 100 l 1 set 200 l 3 sets 305 l 1 set 500 l - 1000 l 5 sets		A A A A A A A A
4	LENGTH STANDARD -Comparator -Deep Tape -Tape -Bourye Box -Stück for Estimation	..... 7 sets 2 sets 2 sets 3 sets 1 set		A A A A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : SURABAYA
 ITEM OF MEASURING INSTRUMENT

Page : 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
5	OTHERS -Desicator -Thermometer -Stop Watch -Microscope	..... 5 sets 3 sets 1 set 1 set		A B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

26 - 2

BRANCH LOCATION : JEMBER
ITEM OF MEASURING INSTRUMENT

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No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
	- Portable Electrical Sub Standard Meter	..... 1 set		C
3	VOLUME STANDARD - Vessel - 5 ml - 1000 ml (Glass)	5 l , 10 l , 20 l , 100 l , 1000 l 1 set 5 l and 200 l 1 set 1 set		A A C
4	LENGTH STANDARD - 3 rd Class Meter Standard - Working Meter Standard - Comparator - Bourne Box	..... 1 set 2 sets 1 set 1 set		B A C A
5	OTHERS - Densimeter - Moisture Determination Balance	..... 2 sets 1 set		C B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

27 - 1

BRANCH LOCATION : MALANG
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -3 rd Class Mass Standard -3 rd Class Contra Standard of Mass -E ₂ Class Mass Standard -F ₁ Class Mass Standard -Working Mass Standard -Reference of Mass -Precision Balance -Verification Balance -Hydrostatic Balance	1 kg 2 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1 g (Stainless Steel) 2 sets 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 10 kg (Brass) 1 set 1 g - 1 kg (Verchroom) 7 sets 1 mg - 1000 mg (Aluminium) 4 sets 1 kg - 50 kg (Iron) 107 sets 25 kg (Iron) 7.2 tons 3 pieces of 25 kg 4 sets 2 pieces of 10 kg 4 sets 1 a' 5 kg 8 sets 2 a' 10 kg - Pieces of 2 kg, 1 kg, 500 g 2 sets 1 set C class 1 kg 2 sets D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 2 sets B class 10 kg 6 sets C class 1 kg 5 sets D class 50 g 6 sets E class 1000 mg - 500 g 1 set		C C C C C A A A A A A A A A A B B B B A A A A - C B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : MALANG
ITEM OF MEASURING INSTRUMENT

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No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	- Hardness Tester Block FLOW STANDARD - Electrical Meter Calibration - Portable Electrical Sub Standard Meter - Portable Master Meter	..... 1 set 1 set 1 set 1 set		B B C B
3	VOLUME STANDARD - Volume Standard of Glass - Vessels	5 ml - 1000 ml 9 sets 10 l , 20 l 3 sets 1000 l 1 set		C A A
4	LENGTH STANDARD - 3 rd Class Length Standard - Working Length Standard (Meter Bar) - Comparator - Bourye Box - Stick for Estimation - Micrometer	..... 1 set 1 set 3 sets 1 set 3 sets 2 sets		C A B A A B
5	OTHERS - Thermometer	..... 1 set		B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : MADIUN
ITEM OF MEASURING INSTRUMENT

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No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
	-Water Meter Installation / Test Bench	..... 1 set		A
3	VOLUME STANDARD -Tank Standard	5 l, 10 l, 20 l, 50 l, 100 l, 200 l 1 set 500 l and 1000 l 1 set 5 l, 10 l and 20 l 1 set 0° - 100 °C, Scale 0.1 °C 1 set 1 set 1 set 0.1 second 2 set 0.01 second 1 set 1 set 1 set		A A B C C C C C C
4	LENGTH STANDARD -3 rd Class Meter Standard -Working Meter Standard -Comparator -Bourye Box -Estimation Stick -Measure Cross Meter (Sali) -Working Meter Standard 1 set 2 sets 1 set 2 sets 1 set 2 sets 20 m 1 set		C A B A A A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : KEDIRI
ITEM OF MEASURING INSTRUMENT

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No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	WEIGHT & BALANCE a. Class E ₂ b. Class F ₁ c. Weight Standard 3 rd Class d. Weight Standard e. Working Standard of Weight f. Precision Equal Arms Balance g. Equal Arms Balance for Verification of Weights h. Hydrostatic Balance	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 kg 1 set 1 m - 1 g 1 set 1 kg - 10 kg 2 sets 1 g - 1 kg 4 sets 1 mg - 1000 mg 2 sets 1 kg - 20 kg 3 sets 25 kg 6 sets 25 kg 2 sets 1a' 10 kg 2 sets 1a' 5 kg 2 sets C Class 1 kg 1 set D Class 50 g 1 set E Class 1000 mg 1 set A Class 75 kg 1 set B Class 10 kg 2 sets C Class 1 kg 2 sets D Class 50 g 1 set E Class 1000 mg 1 set 1 kg 1 set		C C A C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : KEDIRI

ITEM OF MEASURING INSTRUMENT

Page: 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME a. Volume Standards b. Water Meter for Verification of Flow Meter c. Barometer	5 l , 10 l , 20 l , 50 l , 100 l , 200 l , 500 l and 1000 l 1 set 1 set 1 set		A A C
3	LENGTH a. 3 th Class Standard	..... 1 set		B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

30-1

BRANCH LOCATION : BOJONEGORO
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -Contra Standard of Mass -Working Mass Standard -Reference of Mass -Precision Equal Arms Balance -Equal Arms Balance (Verification Balance) -Hydrostatic Balance	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 3 sets 1 g - 1 kg (Verchroom) 1 set 1 mg - 1 g (Stainless Steel) 1 set 1 kg - 20 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 3 sets 25 kg (Iron) - 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 2 sets B class 10 kg 4 sets C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg - 500 g 1 set		C C C C C C A A A A - A A A A B B B B A A A A - C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : BOJONEGORO
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD - Portable Electrical Sub Standard Meter	..... 1 set		C
3	VOLUME STANDARD - Volume Standard of Glass - Vessel	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l 2 sets 50 l, 100 l, 200 l, 500 l, 1000 l 1 set 20 l 1 set		C A A A
4	LENGTH STANDARD - 3th Class Length Standard - Working Length Standard - Comparator - Bourye Box - Deep Tape	..... 1 set 1 set 1 set 1 set 1 set		C A B A A
5	OTHERS - Thermometer - Psychrometer - Barometer (Mercury) - Manometer - Densimeter	..... 3 sets 1 set 1 set 1 set 1 set		B C C C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

31 - 1

BRANCH LOCATION : PONTIANAK
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Weights Standard -F₁ Class Weights Standard -3rd Class Weight Standard -Working Standard of Weights -3 of 25 kg -2 of 10 kg -1 of 5 kg -Couple of 10 kg -Reference of Weights <p>PRECISION EQUAL ARMS BALANCE</p> <ul style="list-style-type: none"> -C Class -D Class -E Class 	<ul style="list-style-type: none"> 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 kg - 10 kg 16 sets 1 g - kg 1 set 1 kg - 20 kg 22 sets 25 kg - 13 sets 6 sets 7 sets 4 sets 1 set 1 kg 1 set 50 g 1 set 1000 mg 1 set 		<ul style="list-style-type: none"> C C C A A A - A A A A B B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : PONTIANAK
 ITEM OF MEASURING INSTRUMENT

Page: 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
	EQUAL ARMS BALANCE FOR VERIFICATION OF WEIGHTS -A Class -B Class -C Class -D Class -E Class HARDNESS TESTER BLOCK	..... 1 set 1 set 2 sets 6 sets 1 set		A A A A - B
2	FLOW STANDARD -Portable Master Meter -Electrical Meter Calibration -Portable Electrical Sub Standard Meter	..... 1 set 1 set 1 set		B B C
3	VOLUME STANDARD -Measuring Vessel Standard (Bejana Meter Standard)	..... 3 sets 2 sets 1 set 1 set		A A A A
4	LENGTH STANDARD -3 th Class Meter Standard -Comparator -Bourye Box -Measuring Stick	..... 1 set 1 set 1 set 1 set		C B A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

31-3

BRANCH LOCATION : PONTIANAK
ITEM OF MEASURING INSTRUMENT

Page : 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
5	- Measuring Crossing 1 set		A A C B C
	- Working Meter Standard	..... 1 set	
	OTHERS			
	- Manometer	..... 1 set	
	- Thermometer	..... 7 sets	
- Stop Watch	..... 2 sets		

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : SINGKAWANG
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Mass Standard -F₁ Class Mass Standard -3rd Class Mass Standard -2nd Class Mass Contra Standard -Working Standard of Mass <p>-Precision Equal Arms Balance</p> <ul style="list-style-type: none"> -C Class -D Class -E Class <p>-Equal Arms Balance for Verification of Weights</p> <ul style="list-style-type: none"> -A Class -B Class -C Class <p>-Hydrostatic Balance</p>	<p>1 mg - 1 kg 1 set</p> <p>1 mg - 1 kg 1 set</p> <p>1 kg 1 set</p> <p>1 g - 1 kg 1 set</p> <p>1 mg - 1 g 1 set</p> <p>1 kg - 10 kg (Brass) 2 sets</p> <p>1 g - 1 kg (Verchroom) 2 sets</p> <p>1 mg - 1000 mg (Aluminium) 1 set</p> <p>1 kg - 10 kg (Iron) 3 sets</p> <p>25 kg (Iron) 3 tons</p> <p>3 pieces of 25 kg 2 sets</p> <p>2 pieces of 10 kg 2 sets</p> <p>1 pieces of 5 kg 2 sets</p> <p>2 a' 10 g 2 sets</p> <p>1 kg 1 set</p> <p>50 g 1 set</p> <p>1000 mg 1 set</p> <p>75 kg 1 set</p> <p>10 kg 3 sets</p> <p>1 kg 1 set</p> <p>1 kg 1 set</p>		<p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>C</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>B</p> <p>B</p> <p>B</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p>

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : SINGKAWANG
ITEM OF MEASURING INSTRUMENT

Page: 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD - Portable Electrical Sub Standard Meter	..... 1 set		B
3	VOLUME STANDARD - 5 ml - 1000 ml (Glass) - Measuring Vessels (Bejana Meter)	..... 4 sets 2 sets 10 l 2 sets 20 l 3 sets 50 l, 100 l, 200 l, 500 l, 1000 l 1 set		C A A A A
4	LENGTH STANDARD - Working Standard Meter - Comparator - Bourye Box - Measuring Stick - Micrometer	..... 1 set 2 sets 2 sets 1 set 1 set		A A B C
5	OTHERS - Thermometer - Psychrometer - Barometer - Stop Watch - Manometer - Densimeter	0° - 100 °C, Scale 0.1 °C 1 set 1 set 1 set 0.01 second 1 set 1 set 24 sets		B C C B B C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION :
ITEM OF MEASURING INSTRUMENT

Page :

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

33 - 1

BRANCH LOCATION : PALANGKARAYA
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -Class Contra of Mass Standard -Working Mass Standard	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 2 sets 1 g - 1 kg (Verchroom) 1 set 1 mg - 0.5 g 1 set 1 kg - 10 kg (Brass) 10 sets 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Aluminium) 1 set 1 g - 1 kg (Brass) 4 sets 1 kg - 10 kg (Iron) 16 sets 25 kg (Iron) 84 sets 3 pieces of 25 kg 6 sets 2 pieces of 10 kg 2 sets 10 kg 5 sets 5 kg 2 sets 1000 mg 1 set		C C C C C A A A A A A A A B
	-Precision Equal Arms Balance -E Class -Equal Arms Balance for Verifi- cation of Weights -A Class -B Class -C Class -D Class -Hardness Tester Block -Destilator	75 kg 1 set 10 kg 2 sets 1 kg 4 sets 50 g 4 sets 2 sets 1 set		A A A A A A B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : PALANGKARAYA
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD -Vessels	5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l and 1000 l 1 set 10 l, 20 l 1 set		A A
3	LENGTH STANDARD -3 rd Class Meter Standard -Working Meter Standard -Comparator -Bourye Box -Micrometer	..... 1 set 2 sets 3 sets 2 sets 1 set		B A A A B
4	OTHERS -Thermometer -Barometer -Densimeter	0° - 100 °C, Scale 0.1 °C 1 set 1 set 1 set		B C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

34-1

BRANCH LOCATION : BANJARMASIN
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Mass Standard -F₁ Class Mass Standard -3rd Class Mass Standard -3rd Class Contra Standard of Mass -Working Mass Standard <p>-Reference of Mass</p> <ul style="list-style-type: none"> -Precision Balance <p>-Verification Balance</p> <ul style="list-style-type: none"> -Hydrostatic Balance -Moisture Determination Balance 	<ul style="list-style-type: none"> 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Stainless Steel) 2 sets 1 kg - 10 kg (Brass) 1 set 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 3 sets 25 kg (Iron) 4.2 tons 3 pieces of 25 kg 4 sets 2 pieces of 10 kg 3 sets 1 a' 5 kg 2 sets 2 a' 10 kg 3 sets 1 set C class 1 kg 2 sets D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 2 sets C class 1 kg 3 sets D class 50 g 2 sets E class 1000 mg - 500 g 1 set 1 set 		<ul style="list-style-type: none"> C C C C C A A A A A A A A A B B B B A A A A - C B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : BANJARMASIN
 ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter	..... 1 set 1 set		B C
3	VOLUME STANDARD - Volume Standard of Mass - Vessels 5 ml - 1000 ml 5 l , 10 l , 20 l , 50 l , 100 l , 200 l 500 l , 1000 l	..... 1 set 1 set		C A A
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard -Comparator -Bourye Box -Micrometer	..... 1 set 1 set 2 sets 1 set 1 set		C A B A B
5	OTHERS -Manometer -Thermometer -Stop Watch 0.1 second 0.01 second	..... 1 set 2 sets 1 set 1 set		C B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

35 - 1

BRANCH LOCATION : SAMARINDA
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -3 rd Class Mass Standard -E ₂ Class Mass Standard -F ₁ Class Mass Standard -2 nd Class Contra Standard of Mass -Working Mass Standard	1 kg 1 set 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 g - 1 kg (Verchroom) - 1 kg - 10 kg (Brass) 12 sets 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 12 sets 25 kg (Iron) 5 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 2 sets C class 1 kg 2 sets D class 50 g 2 sets E class 1000 mg 1 set 1 set 1 set 1 set		C C C C A A A A A A B B B C B B B A A A A A A B A
	-Reference of Mass -Precision Balance -Verification Balance -Hydrostatic Balance -Hardness Tester Block			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : SAMARINDA
 ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	-Moisture Determination Balance VOLUME STANDARD - Volume Standard of Glass -Vessels	..... 1 set 5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l, 500 l 1000 l 1 set 5 l, 10 l, 20 l 2 sets		B
3	FLOW STANDARD -Electrical Meter Calibration (Landys & Gyr) -Portable Electrical Sub Standard Meter	..... 1 set 1 set 1 set		B C
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard (Meter Bar) -Working Standard of Length -Bourye Box -Comparator -Stick for Measuring -Micrometer	..... 1 set 1 set 1 set 20 m 2 sets 1 set 1 set 1 set 1 set		B A A A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

35 - 3

BRANCH LOCATION : SAMARINDA
ITEM OF MEASURING INSTRUMENT

Page : 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
5	OTHERS - Thermometer - Psychrometer - Manometer - Barometer - Stop Watch	0° - 100 °C, Scale 0.1 °C 1 set 1 set 1 set 1 set 0.1 second 1 set 0.01 second 1 set		B C B B B B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

36 - 2

BRANCH LOCATION : MANADO
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
3	-Master Meter -Roll Fester VOLUME STANDARD -Vessels	..... 1 set 1 set 5 l , 10 l , 20 l , 50 l , 200 l , 1000 l 1 set 5 l and 20 l 2 sets		B B A A
4	LENGTH STANDARD -3 rd Meter Standard -Working Length Standard (Meter Bas) -Comparator -Bourye Box -Miero Meter	..... 1 set 2 sets 2 sets 2 sets 1 set		C A B A C
5	OTHERS -Thermometer -Stop Watch	0 ° - 100 °C, Scale 0.1 °C 1 set 0.1 second 1 set		B C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

37 - 1

BRANCH LOCATION : PALU
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -Working Mass Standard	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 kg - 10 kg (Brass) 14 sets 1 g - 1 kg (Vetrtroom) 2 sets 1 mg - 1000 mg (Aluminium) 4 sets 1 kg -20 kg (Iron) 14 sets 25 kg (Iron) 5 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 5 kg 2 sets 10 kg 2 sets		C C C A A A A A A A
	-Precision Equal Arms Balance -Equal Arms Balance for Verifi- cation of Mass	A class 75 kg 1 set B class 10 kg 1 set C class 1 kg 2 sets D class 50 g 1 set E class 1000 mg 1 set 1 set 1 set		A A A A A
2	- Hydrostatic Balance - Hardness Tester Block FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter	..... 1 set 1 set 1 set		C B B C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

37-2

BRANCH LOCATION : PALU
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
	- Portable Master Meter - Water Meter Test Bench	..... 1 set 1 set		B A
3	VOLUME STANDARD - Volume Standard of Glass - Vessels 5 ml - 1000 ml 2 sets 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l and 1000 l 1 set 5 l, 10 l 1 set 20 l, 50 l 2 sets			C A A A
4	LENGTH STANDARD - 3 rd Class Meter Standard - Working Length Standard - Comparator - Bourye Box - Micrometer	..... 1 set 2 sets 1 set 2 sets 1 set		B A B A B
5	OTHERS - Thermometer - Psychrometer - Barometer - Stop Watch - Manometer - Densimeter	0° - 100 °C, Scale 0.1 °C 1 set 1 set 1 set 0.1 second 2 sets 0.01 second 1 set 1 set 1 set		B C C B B C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : WUNG PANDANG
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Mass Standard -F₁ Class Mass Standard -3rd Class Mass Standard -Working Standard of Weights <p>-Precision Equal Arms Balance</p> <p>-Equal Arms Balance for Verification of Weights</p> <p>-Hardness Tester Block</p> <p>-Substitution Balance</p> <p>-Moisture Balance</p>	<p>1 mg - 1 kg 1 set</p> <p>1 mg - 1 kg 1 set</p> <p>1 kg 1 set</p> <p>1 kg - 10 kg (Brass) 2 sets</p> <p>1 g - 1 kg (Verchroon) 2 sets</p> <p>1 mg - 1000 mg (Aluminium) 2 sets</p> <p>1 kg - 20 kg (Iron) 4 sets</p> <p>25 kg (Iron) 258 sets</p> <p>3 pieces of 25 kg 3 sets</p> <p>2 pieces of 10 kg 3 sets</p> <p>5 kg 3 sets</p> <p>2 a' 10 kg 3 sets</p> <p>C class 1 kg 2 sets</p> <p>D class 50 g 1 set</p> <p>E class 1000 mg 1 set</p> <p>A class 75 kg 2 sets</p> <p>B class 10 kg 2 sets</p> <p>C class 1 kg 5 sets</p> <p>D class 50 g 5 sets</p> <p>E class 1000 mg -</p> <p>..... 1 set</p> <p>..... 1 set</p> <p>..... 2 sets</p>		<p>C</p> <p>C</p> <p>C</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>B</p> <p>B</p> <p>B</p> <p>A</p> <p>A</p> <p>A</p> <p>A</p> <p>-</p> <p>C</p> <p>B</p> <p>B</p>

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : WUNG PANDANG
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter -Portable Master Meter	..... 1 set 1 set 1 set		B C B
3	VOLUME STANDARD - Can (Glass) -Vessels	5 ml - 1000 ml 1 set 5 l, 20 l, 50 l, 200 l and 1000 l 1 set 5 l, 20 l 2 sets 50 l 1 set		C A A A
4	LENGTH STANDARD - 3 rd Class Meter Standard - Comparator - Bourye Box - Working Meter Standard	..... - ..... 3 sets 1 set 20 m 1 set		- B A A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : KENDARI
ITEM OF MEASURING INSTRUMENT

Page: 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -3 rd Class Mass of Contra Standard -Working Standard of Weights	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg - 1 g - 1 kg (Verchroom) - 1 mg - 1 g (Stainless Steel) - 1 kg - 10 kg (Brass) 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1000 mg (Aluminium) 1 set 1 kg - 20 kg (Iron) 2 sets (Without 20 kg) 25 kg (Iron) 117 sets 3 pieces of 25 kg 2 sets A class 75 kg 2 sets B class 10 kg 2 sets C class 1 kg 2 sets D class 50 g 1 set E class 1000 mg 1 set 1 kg 1 set 1 set 1 set		C C - - - A A A A A A A A C C B
2	FLOW STANDARD -Electrical Meter Calibration -Electrical Sub Standard Meter (Portable) -Portable Master Meter 1 set 1 set 1 set		B C B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : DENPASAR
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Standard -F ₁ Class Standard -3 th Class Standard - Working Mass Standard	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg 3 sets 1 mg - 1 g 2 sets 1 kg - 10 kg (Brass) 8 sets 1 g - 1 kg (Verchroom) 3 sets 1 mg - 1000 mg (Aluminium) 5 sets 1 kg - 20 kg (Iron) 38 sets 25 kg (Iron) 5.7 tons 3 pieces of 25 kg 9 sets 2 pieces of 10 kg 6 sets 1 a' 5 kg 3 sets 2 a' 10 kg - 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 2 sets C class 1 kg 4 sets D class 50 g 4 sets E class 1000 mg 1 set 3 sets		C C C C C A A A A A A A B B B B A A A A A B
	-Reference of Mass -Precision Equal Arms Balance (Precision Balance) -Equal Arms Balance (Verification Balance) -Hardness Tester Block			

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : DENPASAR
 ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter -Master Meter	..... 1 set 1 set 1 set		B C B
3	VOLUME STANDARD -Volume Standard of Glass -Vessels	5 ml - 1000 ml 1 set 5 l 2 sets 10 l 2 sets 20 l 3 sets 50 l , 100 l , 200 l , 500 l , 1000 l 1 set		C A A A A
4	LENGTH STANDARD -3 rd Class Length Standard -Working Length Standard (Meter Bar) -Working Length Standard -Comparator -Bourye Box -Micrometer	..... 1 set 2 sets 20 m 1 set 1 set 2 sets 1 set 2 sets 1 set		C A A B A C
5	OTHERS -Thermometer -Psychrometer	..... 3 sets 1 set		C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : DENPASAR
ITEM OF MEASURING INSTRUMENT

Page : 3

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
	- Stop Watch	0.1 second 2 sets		C
	- Manometer	0.01 second 1 set		C
	- Areo Meter / Densimeter	..... 1 set		C
		..... 1 set		C
	100 l , 200 l , 500 l , 1000 l	..... 1 set		A
4	LENGTH STANDARD			
	- 3 rd Class Length Standard	..... 1 set		C
	- Working Length Standard (Meter Bar)	..... 2 set		A
	- Comparator	..... 1 set		B
	- Bourye Box	..... 1 set		A
	- Micrometer	..... 1 set		B
	- Deep Tape 50 m	..... 1 set		B
5	OTHERS			
	- Thermometer	0 ° - 100 °C, scale 0.1 °C 1 set		B
		20 ° - 30 °C 1 set		B
		0.5 ° - 35 °C 1 set		B
	- Manometer	..... 1 set		C
	- Psychrometer	..... 1 set		C
	- Mercury Barometer	..... 1 set		C
	- Stop Watch	0.1 second 1 set		C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

41-1

BRANCH LOCATION : MATRAM
ITEM OF MEASURING INSTRUMENT

Page: 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -Working Standard of Mass -Reference of Mass -Precision Equal Arms Balance -Equal Arms Balance for Verification of Weights -Hydrostatic Balance -Hardness Tester Block	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 kg - 10 kg (Brass) 1 set 1 g - 1 kg (Vernichrom) 1 set 1 mg - 1000 mg (Aluminium) 1 set 1 kg - 20 kg (Iron) 1 set 25 kg (Iron) 120 sets 3 pieces of 25 kg 6 sets 2 pieces of 10 kg 4 sets 5 kg 2 sets 10 g 2 sets 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 2 sets B class 10 kg 2 sets C class 1 kg 2 sets D class 50 g 2 sets 1 kg 1 set 1 set		C C C A A A A A A A A A A B B B A A A A B A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

41-2

BRANCH LOCATION : MATRAM
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	VOLUME STANDARD - Vessels - Volume Standard of Glass	5 l, 10 l, 20 l, 50 l, 100 l, 200 l, 500 l, 1000 l 1 set 5 l, 10 l, 20 l 1 set 5ml - 1000ml 7 sets		A A
3	FLOW STANDARD - Electrical Meter Calibration - Portable Meter Sub Standard Meter - Water Meter Test Bench	..... 1 set 1 set 1 set		B C A
4	OTHERS - Thermometer - Psychrometer - Barometer - Stop Watch	0° - 100 °C, Scale 0.1 °C 1 set 1 set 1 set 0.1 second 2 sets 0.01 second 1 set		B C C B B
5	LENGTH STANDARD - 3 rd Class Meter Standard - Working Meter Standard - Bourye Box - Measuring Stick - Manometer - Densimeter	..... ..... 1 set 2 sets 2 sets 1 set 1 set		- B A A A B C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : KUPANG
 ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -Working Mass Standard -Precision Balance -Verification Balance -Hydrostatic Balance -Hardness Tester Block VOLUME STANDARD -Volume Standard of Glass	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 kg - 10 kg (Brass) 10 sets 1 g - 1 kg (Verchroom) 3 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 12 sets 25 kg (Iron) 5 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1a' 5 kg 2 sets 2a' 10 kg 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 15 kg 1 set B class 10 kg 1 set C class 1 kg 2 sets D class 50 g 1 set 0.5 kg 1 set 5 ml - 1000ml 2sets		C C C A A A A A A A A B B B A A A A C A C
2				

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : KUPANG
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
	- Vessels	5 l, 10 l, 20 l, 50 l, 100 l, 200 l, 500 l 1000 l 1 set		A A
3	FLOW STANDARD - Electrical Meter Calibration - Portable Eleet Sub Standard Meter	..... 1 set 1 set 1 set		B C
4	LENGTH STANDARD - 3 th Class Length Standard - Working Length Standard - Bourye Box - Comparator - Stick for Measuring	..... 1 set 2 sets 2 sets 1 set 1 set		B A A A A
5	OTHERS - Manometer - Thermometer - Psychrometer - Mercury Barometer - Stop Watch - Densimeter	..... 1 set 1 set 1 set 1 set 0.01 second 1 set 0.01 second 1 set 1 set		C B C C B B C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : TERNATE
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Mass Standard -F₁ Class Mass Standard -3rd Class Mass Standard -Class Contra Standard of Mass -Working Mass Standard <p>-Reference of Mass</p> <ul style="list-style-type: none"> -Precision Equal Arms Balance <p>-Equal Arms Balance for Verification of Mass</p> <ul style="list-style-type: none"> -Hydrostatic Balance 	<ul style="list-style-type: none"> 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1 g (Stainless Steel) 1 set 1 kg - 10 kg (Brass) 2 sets 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 3 sets 25 kg (Iron) 3 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg - 5 kg 2 sets 10 kg 2 sets 1 set C class 1 kg 1 set D class 50 kg 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set 1 set 		<ul style="list-style-type: none"> C C C C C A A A A A A - A A B B B B A A A A A A B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : TERNATE
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD - Portable Electrical Sub Standard Meter	..... 1 set		C
3	VOLUME STANDARD - Volume Standard of Glass - Vessels	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l and 1000 l 1 set 10 l 1 set		C A A
4	LENGTH STANDARD - Working Length Standard - Comparator - Bourye Box - Micrometer	..... 2 sets 1 set 2 sets 1 set		A B A C
5	OTHERS - Thermometer - Psychrometer - Stop Watch	0° - 100 °C, Scale 0.1 °C 1 set 1 set 0.1 second 1 set 0.01 second 1 set		B C C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

45 - 1

BRANCH LOCATION : JAYAPURA
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -Working Mass Standard -Precision Balance -Verification Balance	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 1 set 25 kg (Iron) 2.5 tons C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg - B class 10 kg - C class 1 kg - D class 50 g 1 set E class 1000 mg 1 set 500 g 1 set		C C A A A B B B - - - A A A
2	FLOW STANDARD -Electrical Meter Calibration -Portable Electrical Sub Standard Meter -Portable Master Meter	..... 1 set 1 set 1 set		B C B
3	VOLUME STANDARD -Vessels	100 l, 200 l, 500 l, 1000 l 1 set		A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

45 - 2

BRANCH LOCATION : JAYAPURA
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
4	LENGTH STANDARD -Stick for Measuring -Crossing Meter (Salibmeter)	..... 1 set 1 set		A A
5	OTHERS -Mercury Barometer -Working Length Standard 20 m 1 set 1 set		C A

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : SORONG
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	MASS & BALANCE -E ₂ Class Mass Standard -F ₁ Class Mass Standard -3 rd Class Mass Standard -2 nd Contra Standard of Mass -Working Mass Standard	1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1 g (Stainless Steel) 1 set 1 kg - 10 kg (Brass) 1 set 1 g - 1 kg (Verchroom) 2 sets 1 mg - 1000 mg (Aluminium) 1 set 1 kg - 20 kg (Iron) 1 set 25 kg (Iron) 3 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 1 set C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set		C C C C C A A A A A A A B B B A A A A A
2	FLOW STANDARD -Portable Electric Sub Standard Meter	..... 1 set		C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

BRANCH LOCATION : SORONG
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
3	VOLUME STANDARD - Volume Standard of Glass - Vessels	..... 1 set 5 l , 10 l , 20 l , 50 l , 100 l , 200 l 500 l , 1000 l 2 sets		C A
4	LENGTH STANDARD - Working Length Standard - Micrometer	..... 1 set 20 m 1 set 1 set		A C
5	OTHERS - Psychrometer - Mercury Barometer - Stop Watch 1 set 1 set 0.1° second 2 sets 0.01 second 2 sets		C C C C

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

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BRANCH LOCATION : DILI
ITEM OF MEASURING INSTRUMENT

Page : 1

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
1	<p>MASS & BALANCE</p> <ul style="list-style-type: none"> -E₂ Class Mass Standard -F₁ Class Mass Standard -3rd Class Mass Standard -Contra Standard of Mass - Working Mass Standard <p>-Precision Equal Arms Balance</p> <p>-Equal Arms Balance for Verification of Mass</p> <p>-Hydrostatic Balance</p>	<ul style="list-style-type: none"> 1 mg - 1 kg 1 set 1 mg - 1 kg 1 set 1 kg 1 set 1 g - 1 kg (Verchroom) 1 set 1 mg - 1 g (Stainless Steel) 1 set 1 kg - 10 kg (Brass) - 1 g - 1 kg (Verchroom) 4 sets 1 mg - 1000 mg (Aluminium) 2 sets 1 kg - 20 kg (Iron) 3 sets 25 kg (Iron) 3 tons 3 pieces of 25 kg 2 sets 2 pieces of 10 kg 2 sets 1 a' 5 kg 2 sets 2 a' 10 kg 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg 1 set A class 75 kg 1 set B class 10 kg 2 sets C class 1 kg 1 set D class 50 g 1 set E class 1000 mg - 500 g 1 set 		<ul style="list-style-type: none"> C C C C C - A A A A A A A A B B B A A A A - B

* Note A : Usually, B : Often, C : Sometimes

LIST OF MEASURING EQUIPMENT

47 - 2

BRANCH LOCATION : DILI
ITEM OF MEASURING INSTRUMENT

Page : 2

No.	Equipment Name	Specification (including Accuracy and No. of sets)	Operation Period	Frequency used *(A, B, C)
2	FLOW STANDARD - Portable Electrical Sub Standard Meter	..... 1 set		C
3	VOLUME STANDARD - Standard Volume of Glass - Vessels	5 ml - 1000 ml 1 set 5 l, 10 l, 20 l, 50 l, 100 l, 200 l 500 l, 1000 l 1 set 5 l, 10 l, 20 l 1 set		C A A
4	LENGTH STANDARD - Working Length Standard (Meter Bar) - Comparator - Bow Box - Micrometer - Deep Tape 100 m	..... 2 sets 1 set 2 sets 1 set 1 set		A B A C B
5	OTHERS - Manometer - Densimeter - Thermometer - Psychrometer	..... 1 set 1 set 0° - 100 °C, Scale 0.1 °C 1 set 1 set		C C C C

* Note A : Usually, B : Often, C : Sometimes

表 3 - 8 VERIFICATION NUMBER OF LENGTH (INITIAL AND REVERIFICATION)

Length Total

No.	Branch Name	1990				1991				1992			
		Initial Verification		Reverifi- cation	Total	Initial Verification		Reverifi- cation	Total	Initial Verification		Reverifi- cation	Total
		Domestic	Imported			Domestic	Imported			Domestic	Imported		
S	1 Banda Aceh	0	0	203	0	0	265	0	0	0	251	251	
U	2 Langsa	0	0	34	0	0	82	0	0	0	63	63	
M	3 Medan	0	0	447	0	0	709	0	0	1	950	951	
A	4 P.Siantar	0	0	58	0	0	67	0	0	0	133	133	
T	5 Padang	0	0	599	0	0	358	0	0	0	322	322	
E	6 Pekanbaru	0	65	515	58	0	603	661	100	0	394	494	
R	7 Jambi	0	0	209	0	0	205	0	0	0	162	162	
A	8 Palembang	0	13	474	16	0	386	487	3	0	281	284	
	9 Lampung	0	0	108	0	0	77	0	0	0	125	125	
	10 Bengkulu	0	0	92	0	0	103	0	0	0	85	85	
	11 Jakarta	10,377	0	10,537	7,556	0	505	8,061	7,333	0	221	7,554	
	12 Bandung	357	0	1,165	917	0	1,131	2,048	607	0	1,189	1,796	
	13 Serang	0	0	196	0	0	151	157	0	0	157	157	
	14 Purwokarta	0	0	168	0	0	204	204	0	0	153	153	
J	15 Bogor	21,666	5	21,943	12,298	29	1,246	13,573	15,276	3	309	15,588	
	16 Tasikmalaya	0	0	525	0	0	527	527	0	0	875	875	
	17 Cirebon	0	0	353	0	0	385	385	0	0	331	331	
A	18 Semarang	0	0	376	0	0	882	882	0	0	938	938	
	19 Tegal	0	0	402	0	0	373	373	0	0	397	397	
	20 Pati	0	0	282	0	0	396	396	0	0	322	322	
	21 Purwokerto	24	0	465	0	0	404	404	0	6	345	351	
W	22 Surakarta	0	0	183	0	0	594	594	0	0	390	390	
	23 Magelang	0	0	137	0	0	261	261	0	0	223	223	
	24 Yogyakarta	0	0	272	0	0	231	231	0	0	212	212	
A	25 Surabaya	0	28	1,394	8	16	3,099	3,123	0	5	1,520	1,525	
	26 Jember	0	0	873	0	0	783	783	0	0	816	816	
	27 Malang	0	0	630	0	0	614	614	0	0	541	541	
	28 Madiun	0	0	225	0	0	217	217	0	0	199	199	
	29 Kediri	0	0	556	0	0	584	584	0	0	516	516	
	30 Bojonegoro	0	0	187	0	0	270	270	0	0	271	271	
	31 Pontianak	0	0	739	0	0	591	591	0	0	635	635	
KALI-	32 Singkawang	0	0	254	0	0	435	435	0	0	473	473	
MANT-	33 Palangkaraya	0	0	107	0	0	77	77	0	0	52	52	
AN	34 Banjarmasin	0	0	233	0	0	273	273	0	0	274	274	
	35 Samarinda	0	0	261	0	3	452	455	0	0	315	315	
	36 Manado	0	0	1,378	0	0	968	968	0	0	1,071	1,071	
SULA-	37 Pala	0	0	687	0	0	687	687	0	0	554	554	
WESI	38 U.Pondang	0	0	1,451	0	0	1,874	1,874	0	0	1,328	1,328	
	39 Kendari	0	0	594	0	0	569	569	0	0	586	586	
BALI	40 Denpasar	0	0	233	0	0	291	291	0	0	275	275	
TENG-	41 Mataram	0	0	293	0	0	244	244	0	0	335	335	
GARA	42 Kupang	0	0	546	0	0	575	575	0	0	490	490	
MALUKU	43 Ambon	0	0	214	0	0	191	191	0	0	191	191	
	44 Ternate	0	0	270	0	0	264	264	0	0	323	323	
IRIAN	45 Jaya Pura	0	0	253	0	0	234	234	0	0	234	234	
JAYA	46 Sorong	0	0	260	0	0	246	246	0	0	221	221	
TIMOR	47 Dili	0	0	136	0	0	161	161	0	0	176	176	
	Total	32,424	111	52,004	20,779	122	23,844	44,745	23,216	118	20,224	43,558	

表 3 - 9 MASS NUMBER OF VERIFICATION (INITIAL AND REVERIFICATION)

Mass Total

No.	Branch Name	1990				1991				1992				Total
		Initial Verification		Reverifi- cation	Total	Initial Verification		Reverifi- cation	Total	Initial Verification		Reverifi- cation	Total	
		Domestic	Imported			Domestic	Imported			Domestic	Imported			
1	Bandir Aceh	0	3	39,720	39,723	41,380	1	3	42,907	42,911				
2	Langka	1	1	8,668	8,670	9,018	0	0	9,344	9,347				
3	Medan	14,961	44	108,403	123,408	108,473	46	98	115,250	125,562				
4	P. Siantar	3,600	2	24,759	28,361	21,775	6	1	25,494	25,494				
5	Padang	2	4	55,119	55,125	52,802	11	6	49,606	49,612				
6	Pekanbaru	1	11	41,672	41,684	45,147	10	14	44,087	44,101				
7	Jambi	0	2	15,763	15,765	16,231	2	1	16,322	16,323				
8	Palembang	0	20	28,784	28,804	27,505	10	10	26,523	26,538				
9	Lampung	0	28	56,402	56,430	59,465	20	17	60,311	60,328				
10	Bengkulu	0	2	10,914	10,916	11,011	1	3	11,344	11,347				
11	Jakarta	3,422	3,204	92,412	99,038	90,265	3,131	3,959	97,928	105,829				
12	Bandung	5,613	329	176,097	182,039	179,459	324	233	177,987	185,396				
13	Serang	0	0	39,174	39,224	40,338	170	97	41,875	41,972				
14	Purwakarta	0	15	50,108	50,123	50,013	19	54	50,854	50,908				
15	Bogor	2,636	36	75,822	78,494	97,195	52	204	102,458	107,047				
16	Tasikmalaya	0	0	195,660	195,660	207,232	0	0	220,254	220,254				
17	Cirebon	0	52	125,137	125,189	140,942	15	3	143,546	143,549				
18	Semarang	1,111,152	57	135,245	246,454	163,871	73	151	172,804	296,593				
19	Tegal	0	1	126,964	126,965	142,001	11	11	148,990	148,101				
20	Pati	717,683	27	120,958	838,643	143,334	7	17	146,177	890,910				
21	Purwokerto	0	6	142,613	142,646	124,501	5	17	130,514	130,531				
22	Surakarta	199,923	261	198,790	398,974	199,590	311	312	198,412	436,808				
23	Magelang	0	7	129,096	129,103	140,861	0	1	142,656	142,657				
24	Yogyakarta	110,987	7	133,330	244,324	134,151	8	8	124,874	209,228				
25	Surabaya	52,945	229	313,630	366,804	290,963	220	267	280,245	312,681				
26	Jember	0	4	271,517	271,521	275,348	13	9	267,100	267,109				
27	Malang	1,778	27	243,462	245,267	239,779	49	12	244,331	245,856				
28	Madium	0	7	131,437	131,444	139,716	6	2	137,949	137,951				
29	Kediri	0	6	171,996	172,002	172,912	10	3	171,240	171,243				
30	Bojonegoro	0	1	60,314	60,315	91,957	5	6	92,813	92,821				
31	Pontianak	0	6	25,149	25,155	25,178	4	1	26,962	26,963				
32	Singkarang	0	0	13,501	13,501	16,080	0	1	17,167	17,168				
33	Palangkaraya	1	1	23,340	23,342	22,621	0	0	22,732	22,732				
34	Banjarmasin	387	12	61,669	62,068	66,318	7	14	63,555	63,690				
35	Samarinda	0	2	29,408	29,410	31,681	1	4	37,767	37,771				
36	Manado	0	2	22,660	22,662	23,323	1	22	23,849	23,871				
37	Palu	0	1	14,583	14,584	15,973	8	4	17,952	17,956				
38	U.Pandang	1	23	48,575	48,599	46,107	11	9	46,304	46,319				
39	Kendari	0	3	10,412	10,415	12,332	1	1	12,656	12,657				
40	Depusar	0	12	108,911	108,923	113,469	45	25	112,704	112,729				
41	Mataram	0	6	46,747	46,753	49,600	0	6	56,694	56,700				
42	Kupang	0	2	16,825	16,827	18,464	0	0	18,407	18,407				
43	Ambon	0	0	7,124	7,124	8,457	0	29	7,975	8,004				
44	Ternate	0	0	4,855	4,855	5,010	0	0	5,102	5,102				
45	Jaya Pura	0	0	9,315	9,315	9,865	0	3	10,099	10,102				
46	Sorong	0	0	7,663	7,663	9,088	0	0	8,731	8,731				
47	Dili	1	0	3,408	3,409	4,651	0	1	5,266	5,267				
Total		1,225,121	4,488	2,778,111	5,007,720	3,935,421	4,620	5,594	3,983,666	5,243,116				