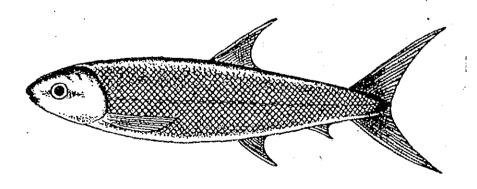
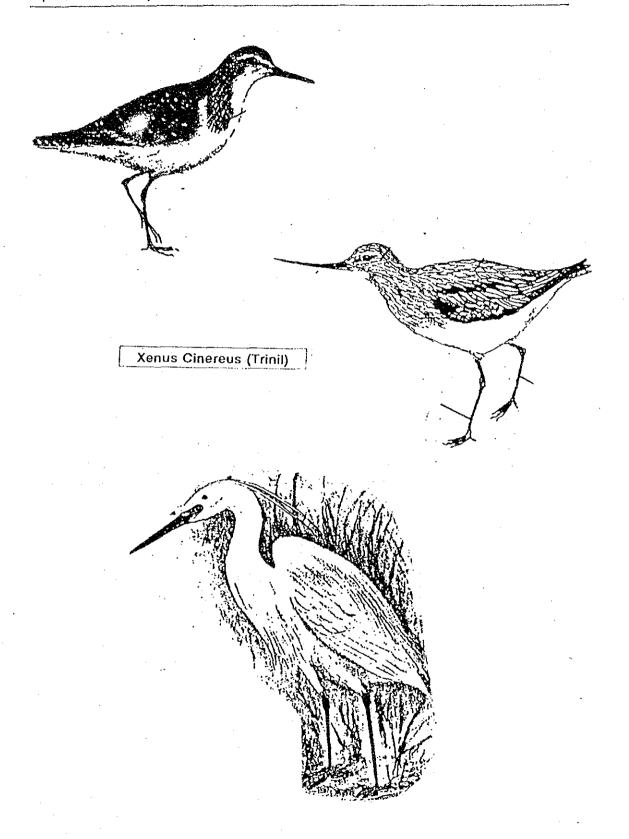


Tilapia mossambica (Mujair)

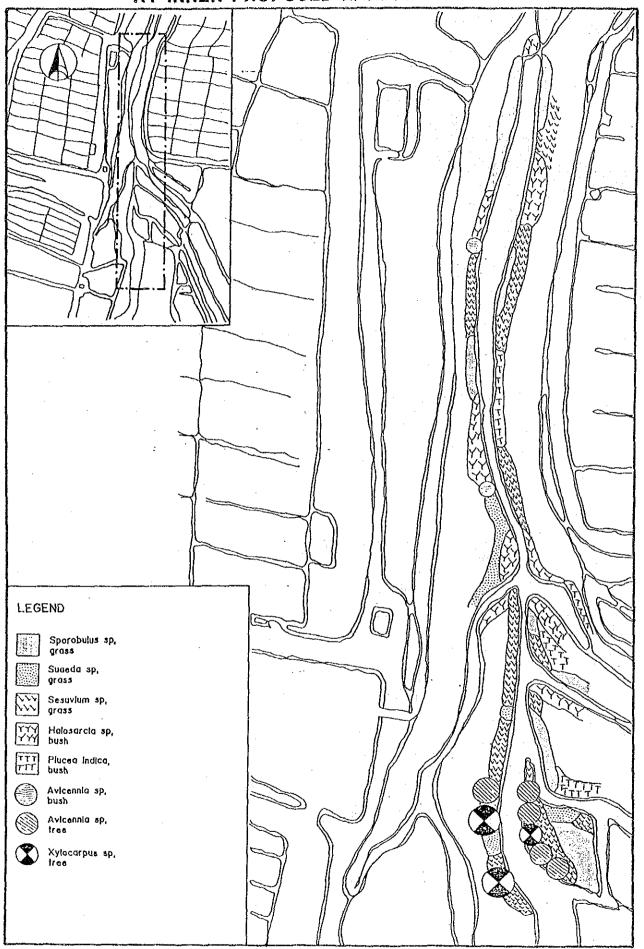


Chanos chanos (Milk fish/bandeng)

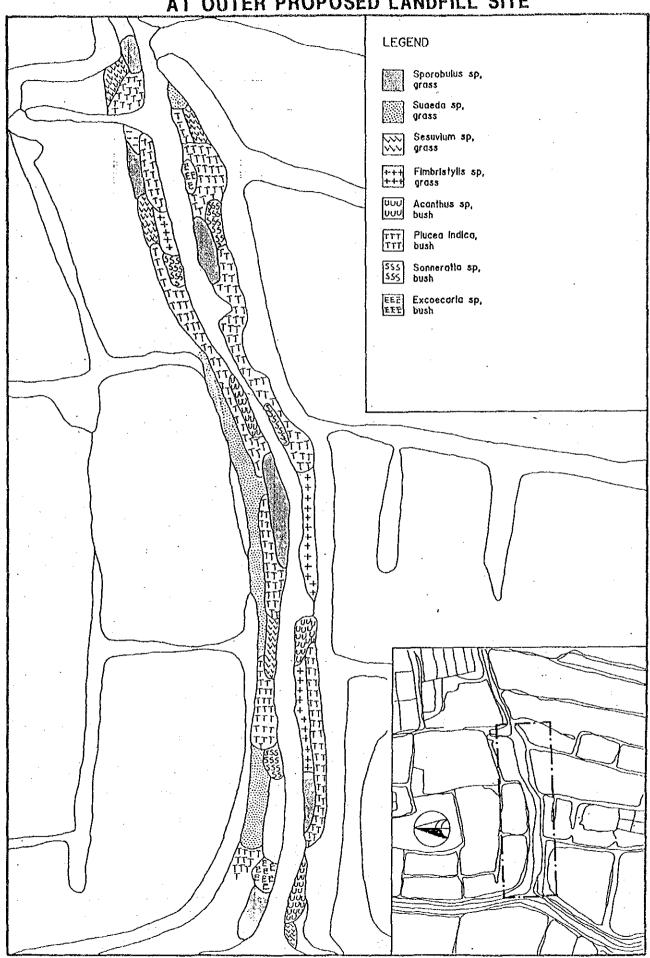


Egreta Garzetta (Kuntul)

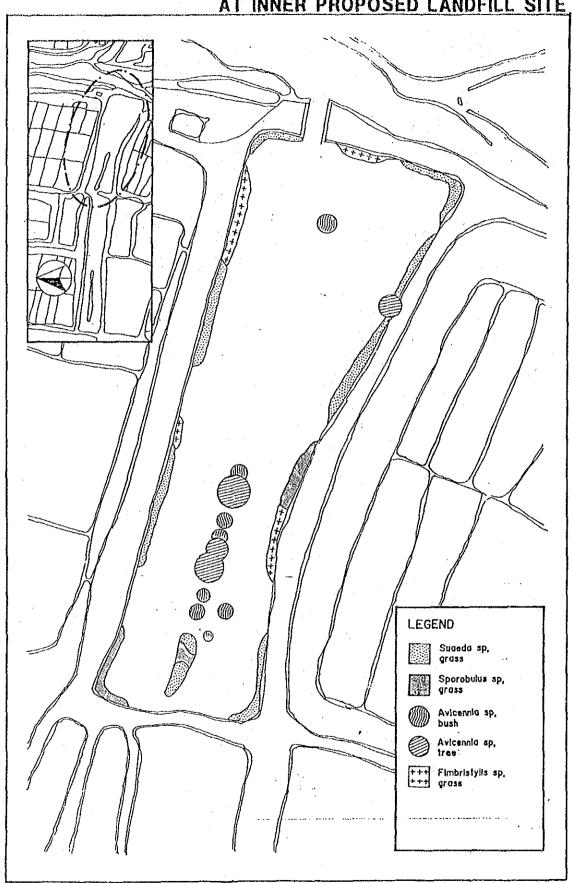
TERRESTRIAL FLORA ON RIVER AND RIVER BANK AT INNER PROPOSED LANDFILL SITE



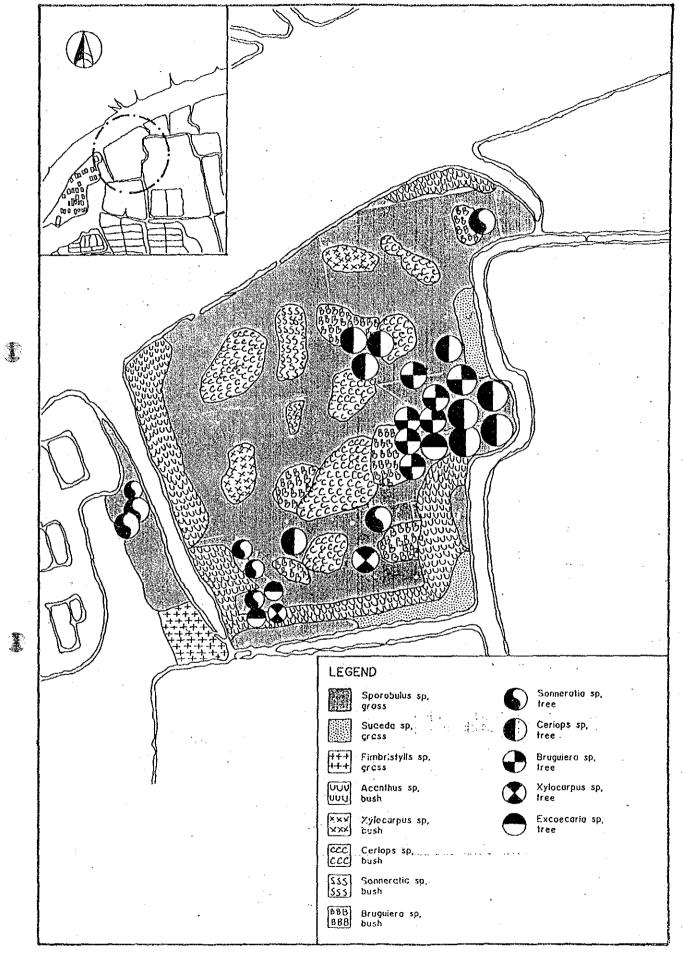
TERRESTRIAL FLORA ON RIVER AND RIVER BANK AT OUTER PROPOSED LANDFILL SITE



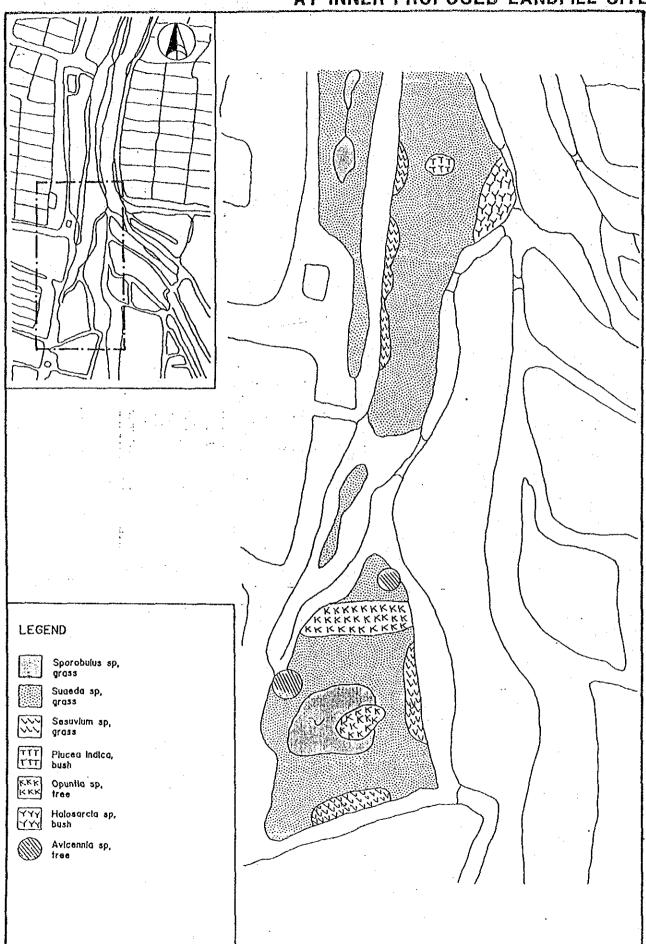
TERRESTRIAL FLORA ON MARSH AT INNER PROPOSED LANDFILL SITE



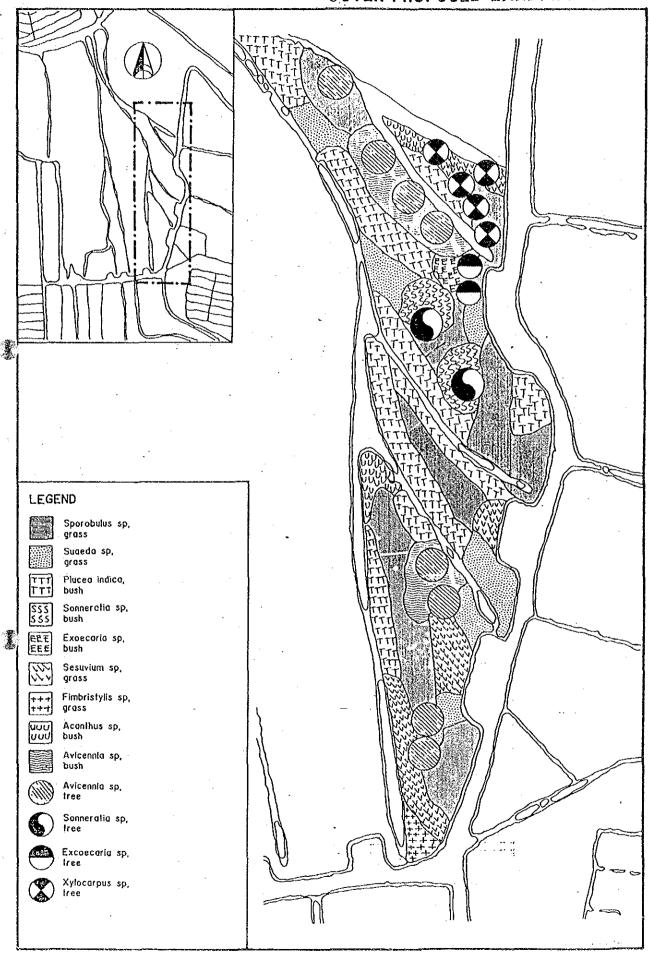
TERRESTRIAL FLORA ON MARSH AT OUTER PROPOSED LANDFILL SITE



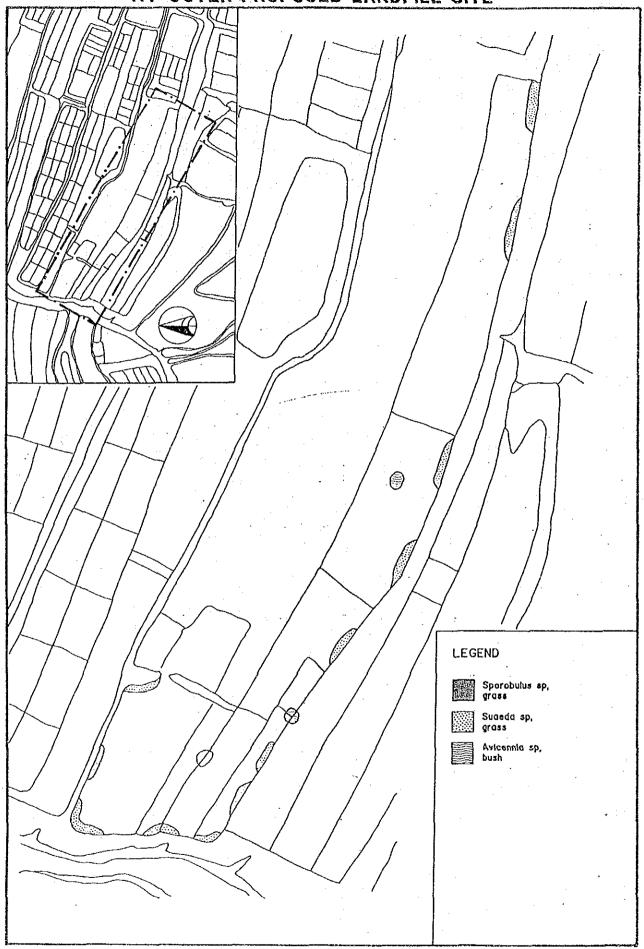
TERRESTRIAL FLORA ON DRY LAND AT INNER PROPOSED LANDFILL SITE



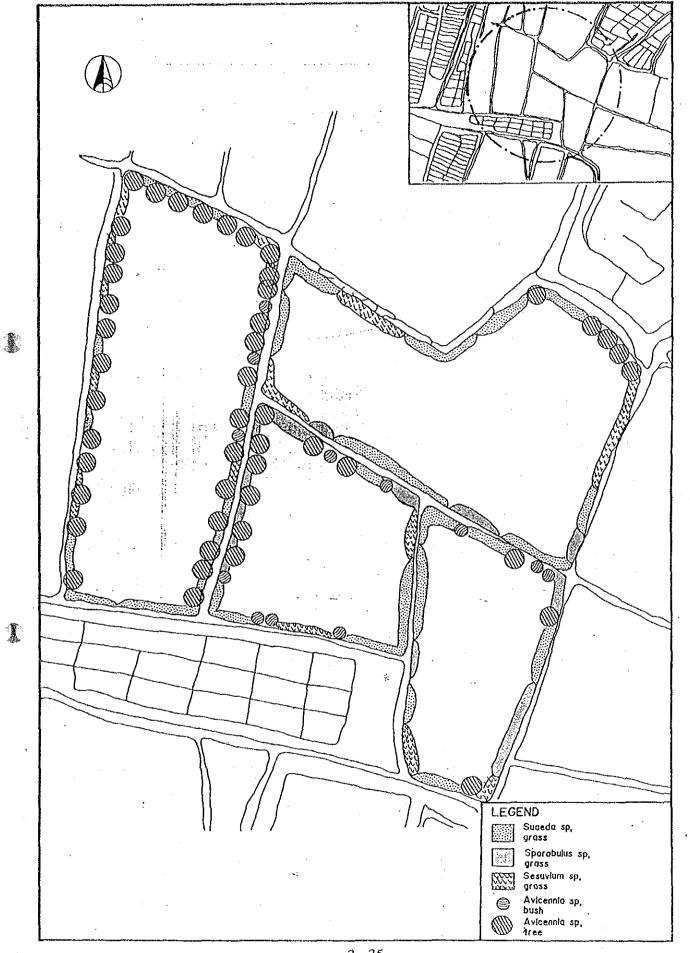
TERRESTRIAL FLORA ON DRYLAND AT OUTER PROPOSED LANDFILL SITE



TERRESTRIAL FLORA ON FISH POND OR SALT FARM AT OUTER PROPOSED LANDFILL SITE



TERRESTRIAL FLORA ON FISH POND AND SALT FARM AT INNER PROPOSED LANDFILL SITE



RESULTS OF WASTE AMOUNT SURVEY

4 Results of Waste Amount Survey

PART 1. Rainy Season

I. Unit Generation Survey

(1) Survey Area

Waste samples are collected at those primary collection points located in the following area:

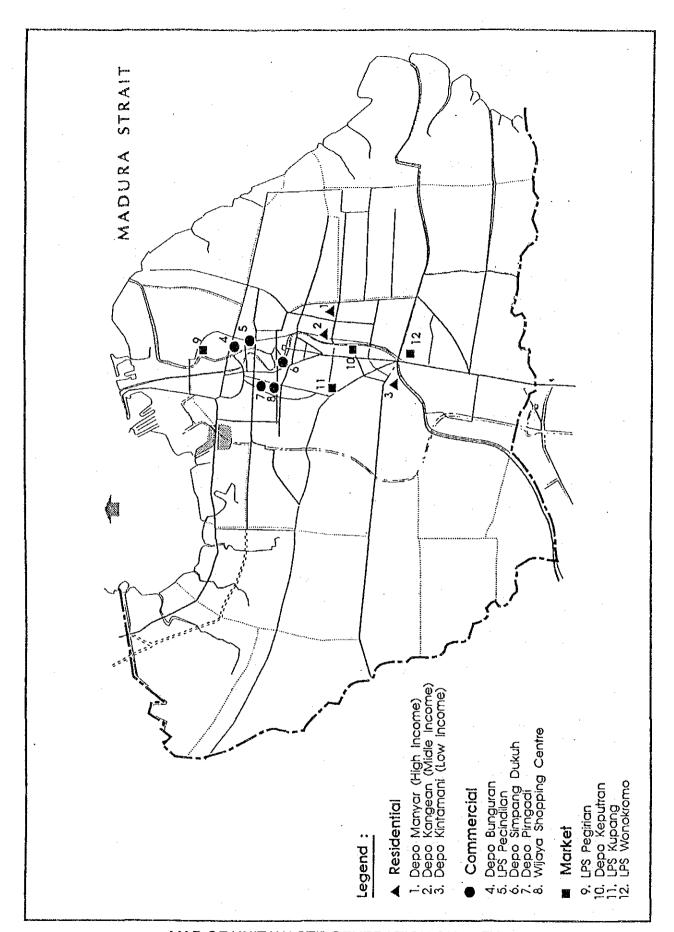
- High income residential area
- Middle income residential area
- Low income residential area
- Market
- Commercial District

For residential area, the size of the collection stands are chosen among those which serve with 20 households or more.

In each type of area, 12 points were selected as shown in Table and the map.

Location of Waste Generation Survey

| No | Waste Generation | Kelurahan | Kecamatan | Survey Location |
|--------|----------------------------|--|---|--|
| I 1 | RESIDENTIAL High Income | Manyar Sabrangan | Sukolilo | Jl. manyar Kertoarjo Indah Jl. manyar Kertoarjo I Jl. manyar Kertoarjo II |
| 2 | Middle Income | Gubeng | Gubeng | Jl. Gubeng Kertajaya I,IA,IB,IDKA,ID Jl. Gubeng Kertajaya IIIA,IIIB,IIIC,IIIF |
| 3 | Low Income | Wonokromo | Wonokromo | Jl. Karang Rejo IV,VI,VIB,IX Jl. Karang Rejo X,XIII,XIV Jl. Pulo Wonokromo |
| II | MARKET | Wonorejo Ampel Jagir Keputran | Tegalsari Semampir Wonokromo Tegalsari | Pasar Kupang Pasar Pegirian Pasar Wonokromo Pasar Keputran |
| Ш | COMMERCIAL | Alon-alon Contong Bubutan Genteng Kapasari Bongkaran | Bubutan Bubutan Genteng Genteng Pabean Cantikan | II. Baliwerti, Gembongan, Praban Wijaya Shopig Centre II. Genteng Besar II. Kalianyar II. Slompretan |



MAP OF UNIT WASTE GENERATION SURVEY

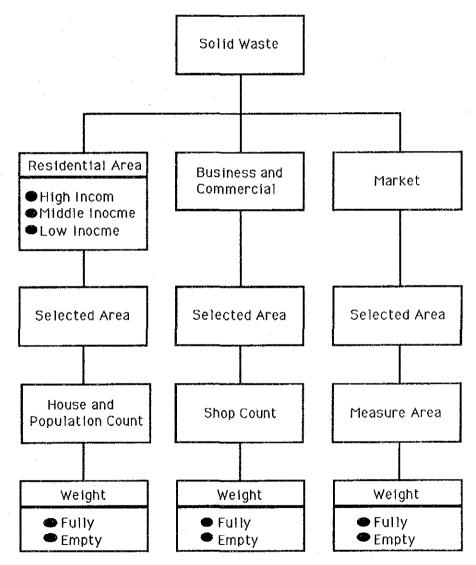
(2) Survey Method

1. Residential & Commercial Area

- One Surveyor follows the cart collecting waste from house to house and interviews the number of household and registered population of each house.
- Measure the cart weight in full loaded and empty at Depo/LPS.
- Record the weight and cart size

2. Market

- One Surveyor had waited at Depo/LPS and watched waste from market dumped into container and got information of the market area.
- Container was carried by truck and the truck weight was measured in full loaded and empty.
- Record the weight and container size.



FLOW CHART OF UNIT WASTE GENERATION SURVEY

(3) Summary of Results

Summary of Unit Waste Generation Survey

| No. | Waste Generation | Weight | Volume |
|-----|-----------------------------------|-----------------------------|----------------------------|
| | | | |
| I | RESIDENTIAL | | |
| 1 | High Income | 0.83 kg/cap/day | 4.37 l/cap/day |
| 2 | Middle Income | 0.77 kg/cap/day | 2.60 l/cap/day |
| 3 | Low Income | 0.48 kg/cap/day | 1.43 l/cap/day |
| | | | |
| п | COMMERCIAL | | ·* · · · · |
| 1 | Jl. Genteng Besar | 5.95 kg/shop/day | 31.41 l/shop/day |
| 2 | Jl. Kalianyar | 5.28 kg/shop/day | 30.04 l/shop/day |
| 3 | Jl. Baliwerti, Gemblongan, Praban | 2.07 kg/shop/day | 13.41 l/shop/day |
| 4 | Jl. Slompretan | 1.64 kg/shop/day | 10.59 l/shop/day |
| | | | |
| III | MARKET | | |
| 1 | Pasar Keputran | 1.44 kg/m ² /day | 4.08 1/m ² /day |
| 2 | Pasar Wonokromo | 1.06 kg/m ² /day | 2.78 l/m ² /day |
| 3 | Pasar Pegirian | 0.83 kg/m ² /day | 2.41 l/m ² /day |
| 4 | Pasar Kupang | 0.49 kg/m ² /day | 1.80 l/m²/day |
| 5 | Wijaya Shopping Centre | 0.06 kg/m ² /day | 0.29 1/m ² /day |

(4) Data

Type of Survey

PER CAPITA GENERATION

Kelurahan

: Manyar Sabrangan

Location of Survey

: Jl. Manyar Kertoarjo Indah, Manyar kertoarjo I, Manyar Kertoarjo II

Income Level

; High

Type of Equipment

: Handcart

Dimension of Handcart (m) : LxWxH

I. 1,5 x 0.8 x 1.2

II. 2.0 x 1.0 x 1.3

Body / Container Size

: l. 1,44 m3

II. 2.60 m3

Name of Depo

: Manyar

Address of Depo

: Jl. sukodami

Surveyor

: Rully & Hendrayana

| | | | Time | No. of | Pop. | Handca | ırt Weigh | it (kg) | Wa | ste . | Tim | e in | Waste | Cart |
|------|----------|--------|-------|--------|------|--------|-----------|---------|--------|--------|-------|-------------|-----------|-------|
| Days | Date | | Start | нн | | Full | Empty | Net | Height | Volume | Depo | /LPS | Condition | No. |
| | | | ٠. | | | | | | (m) | (m3) | In | Out | | |
| 1 | 6 March | 1992 | 7.00 | 62 | 373 | 500 | 114 | 386 | 1.38 | 1.66 | 8.15 | 13.15 | Wet | ١ |
| | | | 13.20 | 35 | 188 | 287 | 114 | 173 | 0.72 | 0.86 | 14.05 | *) | Wet | 1 |
| | | | 13.10 | 66 | 498 | 800 | 216 | 584 | 1.43 | 2.86 | 15.20 | *) | Wet | II |
| 2 | 7 March | 1992 | 7.05 | 62 | 373 | 416 | 114 | 302 | 0.96 | 1.15 | 8.13 | 13.00 | Wet | |
| | | | 7.30 | 77 | 537 | 670 | 216 | 454 | 1.30 | 2.60 | 9.11 | *) | Wet | 11 |
| | | | 13.05 | 29 | 161 | 237 | 114 | 123 | 0.60 | 0.72 | 13.25 | *) <u> </u> | Wet | ı |
| 3 | 8 March | 1992 | 7.30 | 60 | 357 | 405 | 114 | 291 | 0.90 | 1.08 | 8.35 | 12.00 | Wet | |
| | | | 12.05 | 32 | 182 | 319 | 114 | 205 | 1.70 | 2.04 | 13.05 | ٠, | Wet | 1 |
| 4 | 9 March | 1992 | 6.15 | 63 | 377 | . 293 | 114 | 179 | 0.90 | 1.08 | 7.10 | 11.45 | Wet | 1 |
| | | | 12.05 | 32 | 182 | 356 | 114 | 242 | 1.50 | 1.80 | 13.05 | *) | Wet | 1. |
| | | | 15.30 | 96 | 546 | 996 | 216 | 780 | 1.30 | 2.60 | 18.05 | *) | Wet | 11 |
| 5 | 10 March | 1992 | 6.45 | 63 | 377 | 300 | 114 | 186 | 0.90 | 1.08 | 7.40 | 9.00 | Wet | l l |
| | | | 11.45 | 33 | 182 | 323 | 114 | 209 | 0.75 | 0.90 | 13.05 | *) | Wet | t |
| | | | 13.00 | 71 | 337 | 651 | 216 | 435 | 1.30 | 2.60 | 14.30 | *) | Wet | ll ll |
| 6 | 11 March | 1992 | 6.40 | 43 | 241 | 372 | 114 | 258 | 1.35 | 1.62 | 7.40 | 9.00 | Wet | i |
| | | | 10.30 | 61 | 376 | 358 | 114 | 244 | 1.95 | 2.34 | 13.55 | ٠, | Wet | |
| | | | 13.20 | 89 | 459 | 599 | 216 | - 383 | 1.35 | 2.70 | 15.27 | *) | Wet | 11 |
| 7 | 12 March | 1992 | 6.45 | 57 | 362 | 377 | 114 | 263 | 1.00 | 1.20 | 7.58 | 11.20 | Wet | 1 |
| | | | 11,30 | 29 | 206 | 248 | 114 | 134 | . q.33 | 0.40 | 12.40 | *) | Wet | ı |
| | : | | 13.00 | 60 | 366 | 672 | 216 | 456 | 0.80 | 1.60 | 14.45 | *) | Wet | ш |
| | Total Ne | t of W | /aste | | _ = | 6,287 | kg | | | | | | | İ |
| | Total Vo | olume | of Wa | ste | = | 32.89 | m3 (on c | art) | | | | | | |

Max no. of Population

1,076 persons

Period of Survey

7 days

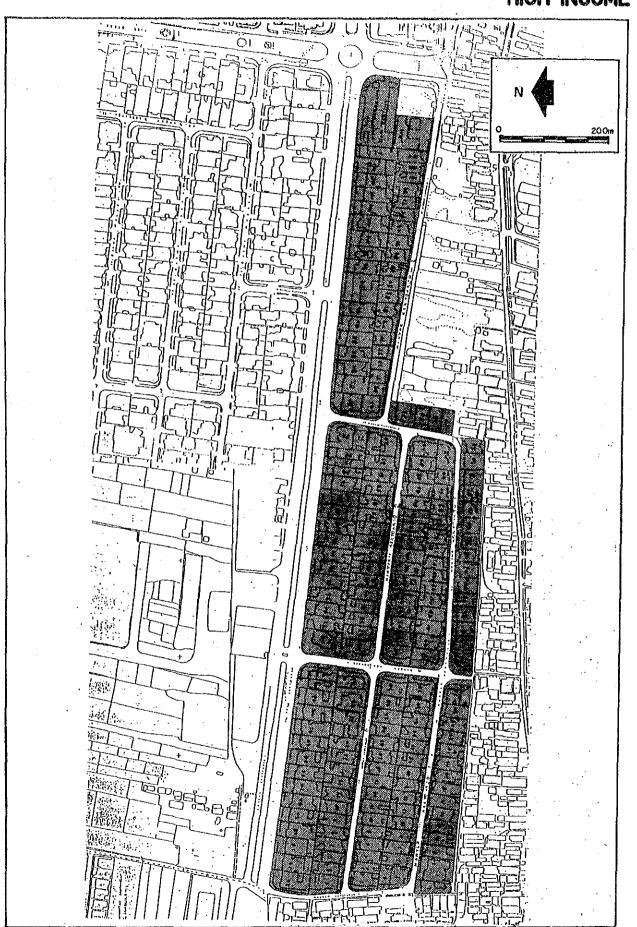
Per Capita Generation

0.83 kg/cap/day

4.37 ltr/cap/day (on cart)

Notes: *) after work the handcart stay at Depo

PERCAPITA SURVEY AREA HIGH INCOME



Type of Survey

: PER CAPITA GENERATION

Kelurahan

: Gubeng

Location of Survey

; Days

JI, Gubeng Kertalaya III F

Days Jl. Gubeng Kertajaya III B, III A, I A

Ji. Gubeng Kertajaya I DKA, I Days Days Jl. Gubeng Kertajaya I DKA, I, I B

JI, Gubeng Kertajaya I, I B, I D, III C, III F Days

Jl. Gubeng Kertajaya I Days

Jl. Gubeng Kertajaya I, I A, I B, III A, III B, III C

Income Level

Days : Middle

Type of Equipment

: Handcart

Dimension of Handcart (m)

: Lx Wx H

1.56 x 0.85 x 1.00

Body / Container Size

: 1.33 m3

Name of Depo

: Kangean

Address of Depo

; JI. Kangean

Surveyor

; Agus H. & Agus T.

| | | | Time | No. of | Pop. | Handea | ırt Weigh | t (kg) | Wa | ste | Tim | e in | Waste |
|------|--------------------|---------|---------|--------|------|--------|-----------|--------|--------|--------|-------|-------|-----------|
| Days | Date | | Start | нн | | Full | Empty | Net | Height | Volume | Depo | / LPS | Condition |
| | | | | | | | | | '(m) | (m3) | ln | Out | |
| 1 | 6 March | 1992 | 7.58 | 15 | 65 | 663 | 175 | 488 | 1.10 | 1.46 | 9.25 | 10.55 | Wet |
| | | | 14.04 | 19 | 104 | 719 | 175 | . 544 | 1.15 | 1.52 | 14.47 | *) | Wet |
| 2 | 7 March | 1992 | 7.50 | 22 | 119 | 650 | 175 | 475 | 1,10 | 1.46 | 9.21 | 10.43 | Wet |
| | | | 10.54 | 12 | 72 | 613 | 175 | 438 | 1.10 | 1.46 | 12.04 | *) | Wet |
| 3 | 8 March | 1992 | 8.10 | 20 | 116 | 703 | 175 | 528 | 1.10 | 1.46 | 9.30 | 10.40 | Wet |
| | | | 11.00 | 28 | 155 | 590 | 175 | 415 | 1.15 | 1.52 | 12.45 | *) | Wet |
| 4 | 9 March | 1992 | 7.58 | 20 | 98 | 673 | 175 | 498 | 1.27 | 1.68 | 9.47 | 11.20 | Wet |
| | | | 11.45 | 9 | 56 | 506 | 175 | 331 | 1.18 | 1.56 | 13.04 | *) | Wet |
| 5 | 10 March | 1992 | 8.11 | 19 | 116 | 538 | 175 | 363 | 1.10 | 1.46 | 9.53 | 10.39 | Wet |
| | | | 11.07 | 20 | 145 | 592 | 175 | 417 | 1.05 | 1.39 | 12.55 | *) | Wet |
| 6 | 11 March | 1992 | | Off | | | Off | | · 0 | ff | | Off | |
| 7 . | 12 March | 1992 | 8.01 | 25 | 140 | 558 | 175 | 383 | 1.09 | 1.45 | 9.37 | *) | Wet |
| 8 | 13 March | 1992 | 8.06 | 26 | 192 | 528 | 175 | 353 | 1,10 | 1.46 | 9.39 | 10.25 | Wet |
| | | | 13.01 | 18 | 107 | 698 | 175 | 523 | 1.20 | 1,59 | 14.46 | *) | Wet |
| | Total No | et of W | /aste | | = | 5,756 | kg | | | | | | |
| | Total Vo | olume | of Was | te | | 19.478 | m3 (on ca | art) | • | | | | |
| | Max no | . of Po | pulatio | 'n | | 938 | persons | | | | | | |
| | Period of Survey = | | | | | 8 | days | | • | | | | |
| | Per cap | ita Ge | neratio | n | = | 0.77 | kg/cap/da | ay . | | | | | |

2.60 ltr/cap/day (on cart)

*) after work the handcart stay at Depo

PERCAPITA SURVEY AREA MIDDLE INCOME



Type of Survey

; PER CAPITA GENERATION

Kelurahan

; Wonokromo

Location of Survey

: Days 1 Jl. Karang Rejo VI, X, Pulo Wonokromo

Days

JI, Karang Rejo VI, VI B, X, XIII, XIV

Days

Jl. Karang Rejo VI, IX

Days

Ji. Karang Rejo IV, VI, X, XIV, Pulo Wonokromo

Days

Jl. Karang Rejo VI, VI B, IX

Days

JI, Karang Rejo VI, VI B, IX, X

Days

Jl. Karang Rejo VI, X, XIV, Pulo Wonokromo

income Level

: Low

Type of Equipment

: Handcart

Dimension of Handcart (m) : Lx W x H

1.50 x 0.80 x 1.00

Body / Container Size

: 1.20 m3

Name of Depo

; Kintamani : Jl. Kintamani

Address of Depo Surveyor

: Yos & Rachmat

| | | | Time | No. of | Pop. | Handca | art Weigh | t(kg) | Wa | ste | Tim | e in | Waste |
|------|-------------------------------|------|-------|--------|------|--------|-----------|-------|--------|--------|-------|-------|-----------|
| Days | Date | | Start | нн | | Full | Empty | Net | Height | Volume | Depo | / LPS | Condition |
| | | | | | | 1 . | | | (m) | (m3) | In | Out | |
| 1 | 6 March | 1992 | 6.40 | 56 | 328 | 680 | 137 | 543 | 1.40 | 1,68 | 7.45 | *) | Wet |
| 2 | 7 March | 1992 | 6.30 | 37 | 212 | 675 | 137 | 538 | 1.27 | 1.52 | 7.38 | 9.35 | . Wet |
| | | | 9.49 | -61 | 333 | 558 | 137 | 421 | 0.97 | 1.16 | 10.50 | *) | Wet |
| 3 | 8 March | 1992 | | Off | | | Off | | C | ff | | no. | |
| 4 | 9 March | 1992 | 6.42 | 49 | 291 | 654 | 137 | 517 | 1.30 | 1.56 | 7.43 | *) | Wet |
| 5 | 10 March | 1992 | 6.46 | 28 | 176 | 633 | 137 | 496 | 1.15 | 1.38 | 7.40 | 9.23 | Wet |
| | | | 9,31 | 51 | 330 | 579 | 137 | 442 | 1.05 | 1.26 | 10.36 | *) | Wet |
| 6 | 11 March | 1992 | 6.36 | 52 | 269 | 526 | 137 | 389 | 1.10 | 1.32 | 7.41 | *) | Wet |
| 7 | 12 March | 1992 | 6.40 | 52 | 285 | 576 | 137 | 439 | 1.10 | 1.32 | 7.40 | 9.09 | Wet |
| | | | 9,18 | 45 | 289 | 495 | 137 | 358 | 1.00 | 1.20 | 10.19 | *) | Wet |
| 8 | 13 March | 1992 | 6.40 | 61 | 360 | 633 | 137 | 496 | 1.10 | 1.32 | 7.55 | *) | Wet |
| | Total Net of Waste = 4.639 kg | | | | | | | | | | | | |

Total Net of Waste

Period of Survey

Total Volume of Waste

13.73 m3 (on cart)

Max no. of Population

1,196 persons 8 days

Per Capita Generation

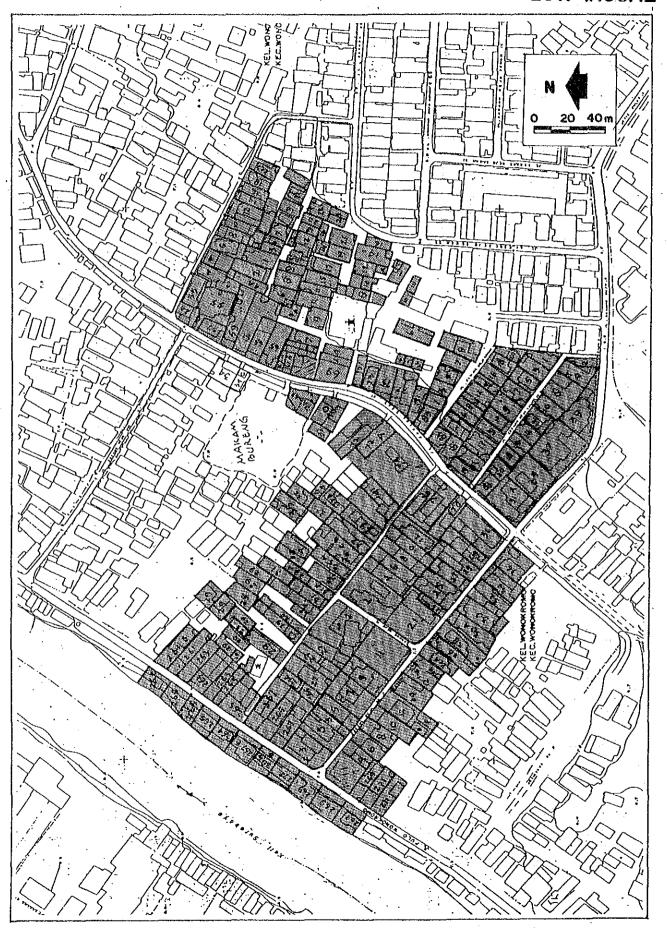
0.48 kg/cap/day

1.43 ltr/cap/day (on cart)

Notes:

*) after work the handcart stay at Depo

PERCAPITA SURVEY AREA LOW INCOME



Type of Survey

: COMMERCIAL GENERATION

Kelurahan

: Genteng

Location of Survey

: Jl. Genteng Besar

Type of Equipment

: Handcart

Type of Commodity

: Grocery (Food Stuff Shop)

Dimension of Handcart (m)

: LxWxH

1.80 x 1.00 x 1.00

Body / Container Size

1:80 m3

Name of Depo / LPS

: Depo Simpang Dukuh

Address of Depo / LPS

: Ji Simpang Dukuh

Surveyor

: Karwoto & Agus Sahid

| | | | | Time | Shop | Handea | art Weigh | t(kg) | Wa | ste | Tim | e in | Waste |
|------|-----------------------|-------|------|-------|--------|--------|-----------|----------|--------|--------|------|-------|-----------|
| Days | | Da | te | Start | Number | Full | Empty | Net | Height | Volume | Depo | / LPS | Condition |
| | L | | | | | | | | (m) | (m3) | ın | Out | |
| 1 | 17 | March | 1992 | 7.00 | 38 | 527 | 206 | 321 | 0.95 | 1.71 | 8.35 | *) | Wet |
| 2 | 18 | March | 1992 | 7.25 | . 49 | 699 | 206 | 493 | 1.35 | 2.43 | 9.15 | * } | Wet |
| 3 | 19 | March | 1992 | 7.00 | 46 | 600 | 206 | 394 | 1.30 | 2.34 | 8.45 | *) | Dry |
| 4 | 20 | March | 1992 | 6.45 | 39 | 595 | 206 | 389 | 1.00 | 1.80 | 8.50 | *) | Wet |
| 5 | 21 | March | 1992 | 7.30 | 50 | 677 | 206 | 471 | 1.30 | 2.34 | 9.30 | *) | Dry |
| 6 | 22 | March | 1992 | 7.00 | 51 | . 642 | 206 | 436 | 1.25 | 2.25 | 8.45 | *} | Dry |
| 7 | 23 | March | 1992 | 6.55 | 70 | 617 | 206 | 411 | 1.40 | 2.52 | 8.55 | *) | Dry |
| | Total Net of Waste | | | | | | 2,915 | (g | | | | | |
| | Total Volume of Waste | | | | | = | 15.39 | n3 (on ¢ | art) · | | | | |

Max no. of Shop during Survey

70 shops

Period of Survey

7 days

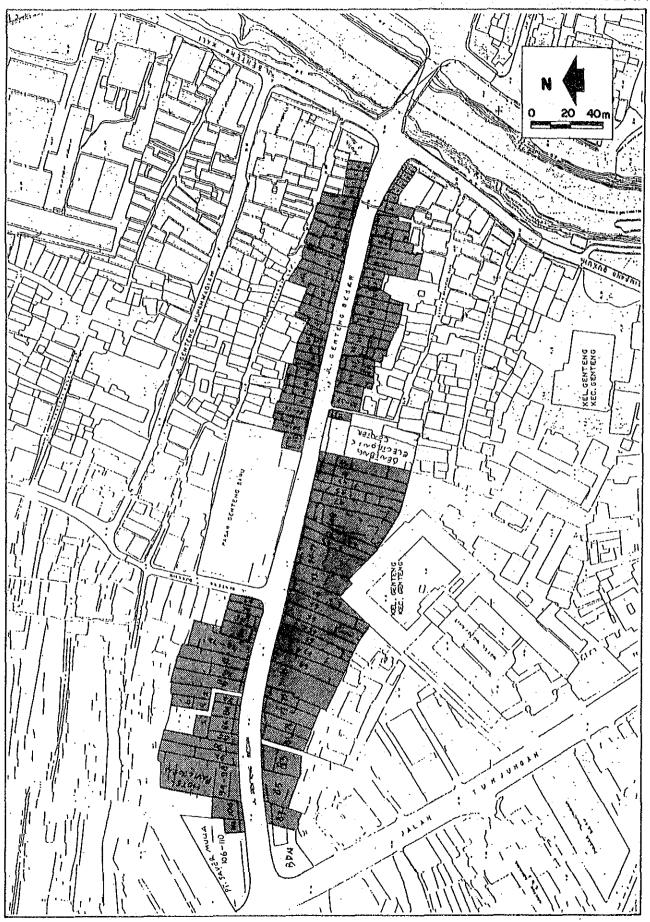
Commercial Generation

5.95 kg/shop/day

31.41 ltr/shop/day (on cart)

Notes: *) after work the handcart stay at Depo

COMMERCIAL SURVEY AREA JL. GENTENG BESAR



Type of Survey

: COMMERCIAL GENERATION

Kelurahan

: Kapasari

Location of Survey

: Jl. Kallanyar

Type of Equipment

: Handcart

Type of Commodity

: Restaurant, Fruit Shop, School, Office, Bank

Dimension of Handcart (m)

LxWxH

I. 1.87 x 1.00 x 1.00

II. 1.54 x 0.97 x 0.80

Body / Container Size

: l. 1.87 m3

II. 1.20 m3

Name of Depo / LPS

: LPS Pecindilan

Address of Depo / LPS

: JI Pecindilan

Surveyor

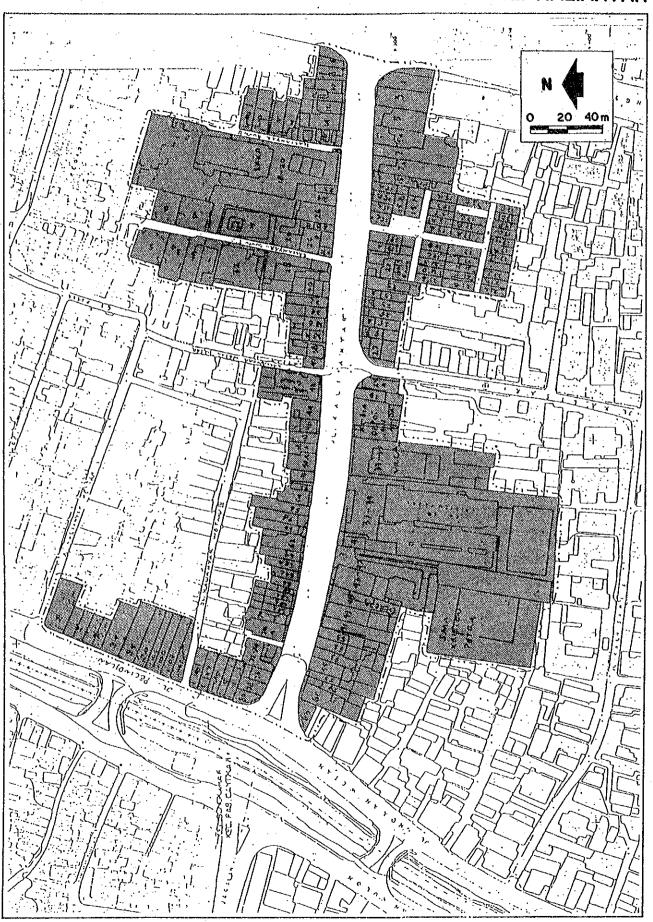
: Mufti & Prastowo

| | | | | Time | Shop | Handca | art Weigh | nt (kg) | Wa | ıste | Tim | e in | Waste | Cart |
|------|-----------------------|----------|---------|----------|----------|--------|-----------|----------|--------|--------|-------|-------|-----------|------|
| Days | | Dat | te . | Start | Number | Full | Empty | Net | Height | Volume | Depo | / LPS | Condition | No. |
| | | | | | ļ | | | | (m) | (m3) | In | Out | | |
| 1 | 17 | March | 1992 | 9.00 | 60 | 540 | 214 | 326 | 1.25 | 2.34 | 9.45 | *) | Wet | 1 |
| | | | | 15.00 | 65 | 542 | 174 | 368 | 1.40 | 2.10 | 16.15 | *) | Wet | . H |
| 2 | 18 | March | 1992 | 9.00 | 60 | 557 | 214 | 343 | 1.25 | 2.34 | 9.30 | *) | Wet | } |
| | | | | 15.00 | 42 | 525 | 174 | 351 | 1.40 | 2.10 | 16.25 | *) | Wet | 11 |
| 3 | 19 | March | 1992 | 8.00 | 60 | 532 | 214 | 318 | 1.00 | 1.87 | 9.30 | *) | Wet | 1 |
| | | | | 15.00 | 61 | 608 | 174 | 434 | 1.10 | 1.65 | 16.00 | *) | Wet | - 11 |
| 4 | 20 | March | 1992 | 8.00 | 50 | 563 | 214 | 349 | 0.90 | 1.68 | 9.30 | *) | Wet | Į. |
| | | | | 15,00 | 54 | 486 | 174 | 312 | 1.10 | 1.65 | 16.35 | *) | Wet | 11 |
| 5 | 21 | March | 1992 | 7.30 | 40 | 570 | 214 | 356 | 1.10 | 2.06 | 9.25 | *) | Wet | 1 |
| | | | | 15.30 | 30 | 549 | 174 | 375 | 1.20 | 1.80 | 16.30 | *) | Wet | 11 |
| 6 | 22 | March | 1992 | 7.30 | 30 | 375 | . 214 | 161 | 0.60 | 1.12 | 8.45 | *) | Wet | 1 |
| | | | : | 15.30 | 45 | 484 | 174 | 310 | 1.07 | 1.61 | 16.30 | *) | Wet | .11 |
| 7 | 23 | March | 1992 | 7.30 | 45 | 511 | 214 | 297 | 1.00 | 1.87 | 9.30 | *) | Wet | |
| | • | : | | 15.00 | 45 | 491 | 174 | 317 | 1.40 | 2.10 | 16.00 | •) | Wet | |
| | | Total Ne | t of W | aste | | = | 4,617 | kg | | | | - | | |
| | Total Volume of waste | | | | | | 26.28 | m3 (on c | art) | | | | • | |
| | | Мах по. | of Sho | p Durin | g Survey | == | 125 | shops | | | | | | |
| ı | | Period o | f Surv | ∍y | | = | 7 | days | | | | | | |
| | | Comme | rcial G | eneratio | n , | = | 5.28 | kg/shop/ | day | | | | | |

30.04 ltr/shop/day (on cart)

*) after work the handcart stay at Depo Notes:

COMMERCIAL SURVEY AREA JL. KALIANYAR



Type of Survey

COMMERCIAL GENERATION

Relurahan

: Bubutan

Location of Survey

: Jl. Ballwertl, Gemblongan, Praban

Type of Commodity

: Building Material, Furniture, Shoes Shop

Type of Equipment

: Handcart

Olmension of Handcart (m)

: LxWxH

1.75 x 0.95 x 1.31

Body / Container Size

2.18 m3

Name of Depo / LPS

: Depo Pirngadi

Address of Depo / LPS

: JI Pirngadi

Interval Collection

: Every Day

Surveyor

: Hari Tamtomo

| | | • | | Time | Shop | Handca | art Weigh | t(kg) | Wa | ste | Tim | e in | Waste |
|------|-------------------------------|---------|--------|----------|---------|--------|-----------|--------|--------|--------|-------|-------|-----------|
| Days | | Da | te | Start | Number | Full | Empty | Net | Height | Volume | Depo | / LPS | Condition |
| | | | | | | | | | (៣) | (m3) | In | Out | |
| 1 | 17 | March | 1992 | 9.00 | 95 | 622 | 267 | 355 | 1.31 | 2.18 | 11.45 | *) | : Dry |
| 2 | 18 | March | 1992 | 8.30 | 102 | 645 | 267 | 378 | 1.20 | 1.99 | 12.00 | *) | Dry |
| 3 | 19 | March | 1992 | 8.30 | 124 | 592 | 267 | 325 | 1.25 | 2.08 | 12.00 | *) | DtÀ |
| 4 | 20 | March | 1992 | 8.00 | 199 | 695 | 267 | 428, | 1.20 | 1.99 | 12.00 | *) | Dry |
| 5 | 21 | March | 1992 | 9.00 | 188 | 715 | 267 | 448 | 1.29 | 2.14 | 12.30 | *) | Dry |
| 6 | 22 | March | 1992 | 7.00 | 160 | 610 | 267 | 343 | 1.15 | 1,91 | 12.00 | *) | Dry |
| 7 | 23 | March | 1992 | 9.00 | 194 | 683 | 267 | 416 | 1.36 | 2.26 | 12.30 | *) | Dry |
| | Total Net of Waste (Incl. HH) | | | | | | 2,693 | kg. | 14.56 | m3 | | | |
| | | Househo | old Wa | ste (Low | Income) | == | 824 1 | ka **) | 2.45 | m3 **) | | | |

Max no, of Shop During Survey

2.45 m3 1

12.109 m3 (on cart)

Total Net of Waste

1,869 kg

129 shops

Period of Survey

7 days

Commercial Generation

2.07 kg/shop/day

13.41 ltr/shop/day (on cart)

Notes:

- *) after work the handcart stay at Depo
- **) 1 House = 5.5 persons, 78 HH, 0.48 kg/cap/day, 1.43 ltr/cap/day, 4 days data

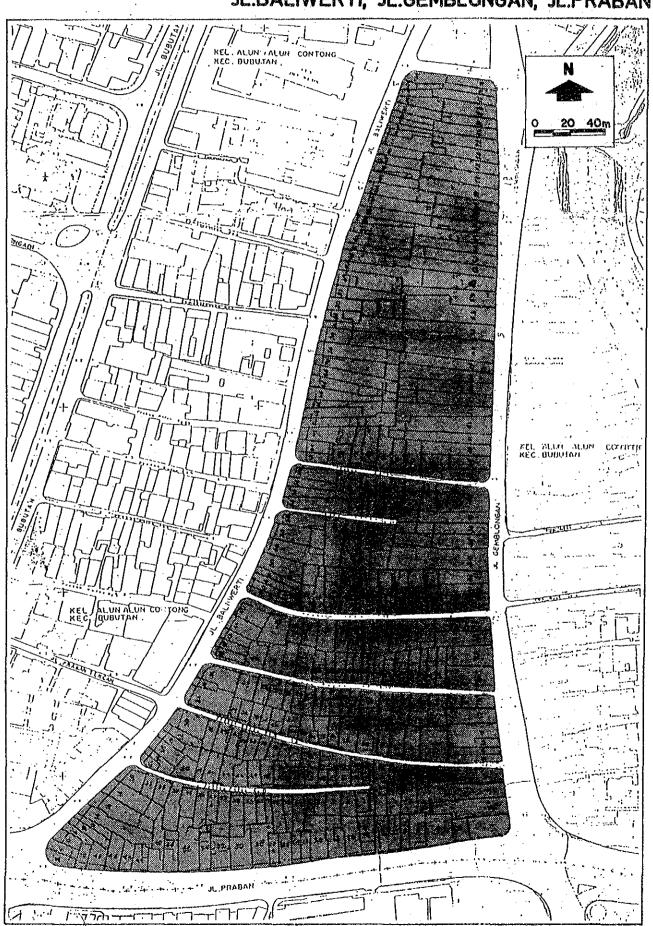
Days 4 including 70 household waste (Low Income)

Days 5 including 72 household waste (Low Income)

Days 6 including 73 household waste (Low Income)

Days 7 including 78 household waste (Low Income)

COMMERCIAL SURVEY AREA JL.BALIWERTI, JL.GEMBLONGAN, JL.PRABAN



Type of Survey

COMMERCIAL GENERATION

Kelurahan

: Bongkaran

Location of Survey

; Jl. Slompretan

Type of Commodity

: Office, Bank, Textile Shop, Glass Ware Shop

Type of Equipment

: Handcart

Dimension of Handcart (m) : L x W x H

1. 1.70 x 0.80 x 1.04 II. 1.80 x 1.00 x 1.00

III, 1,75 x 0.90 x 1.00

Body / Container Size

:1. 1.41 m3

II. 1,80 m3

III. 1.58 m3

Name of Depo / LPS

: Depo Bunguran

Address of Depo / LPS

: Jl. Bunguran

Surveyor

: Arief Abdullah

| | | | , | Time | Shop | Handca | rt Weigh | it (kg) | Wa | ste | Tim | e in | Waste | Cart |
|------|-----------------------|-------|------|-------|--------|--------|----------|----------|--------|---------|-------|-------|-----------|------|
| Days | | Dat | te | Start | Number | Full | Empty | Net | Height | Volume | Depo | / LPS | Condition | No. |
| | | | | | | | | · . | (m) | ·(m3) | វែក : | Out | | |
| 1 | 17 | March | 1992 | 17.10 | 65 | 417 | 217 | 200 | 0.80 | 1.44 | 18.30 | *) | Dry | П |
| 2 | 18 | March | 1992 | 7.50 | 54 | 378 | 202 | 176 | 0.70 | 1,11 | 8.30 | *) | Wet | 111 |
| | | | | 17.10 | 65 | 393 | 217 | 176 | 0.79 | 1.42 | 19.05 | *) | Wet | 11 |
| 3 | 19 | March | 1992 | 7.10 | 130 | 277 | 123 | 154 | 08.0 | 1.08 | 8.15 | * } | Wet | , i |
| | | | | 4.00 | 65 | 430 | 217 | 213 | 0.60 | 1.08 | 6.00 | *) | Wet | !! |
| 4 | 20 | March | 1992 | 7.15 | 130 | 304 | 123 | 181 | 0.75 | 1.02 | 8.25 | * } | Wet | |
| | | | | 18.30 | 65 | 398 | 217 | 181 | 0.80 | 1.44 | 20.30 | *) | Wet | н |
| 5 | 21 | March | 1992 | 7.00 | 130 | 333 | 123 | 210 | 0.90 | 1.22 | 10.05 | *) | Dry | 1 |
| | | | | 18.30 | 65 | 380 | 217 | 163 | 0.75 | 1.35 | 20.10 | *) | Dry | И |
| 6 | 22 | March | 1992 | 7.15 | 58 | 322 | 123 | 199 | 0.70 | 0.95 | 8.40 | *) | Dry | 1 |
| 7 | 23 | March | 1992 | 7.30 | - 130 | 393 | 217 | 176 | 0.50 | 0.90 | 9.00 | *) | Dry | li . |
| | | | | 16.30 | 58 | 431 | 217 | 214 | 0.80 | 1.44 | 18.45 | *) | Dry | 11 |
| | Total Net of Waste | | | | | = | 2,243 | kg | | | | | | |
| | Total Volume of Waste | | | | | *** | 14.45 | m3 (on c | art) | | | | | |

Max no. of Shop During Survey

195 shops

Period of Survey

7 days

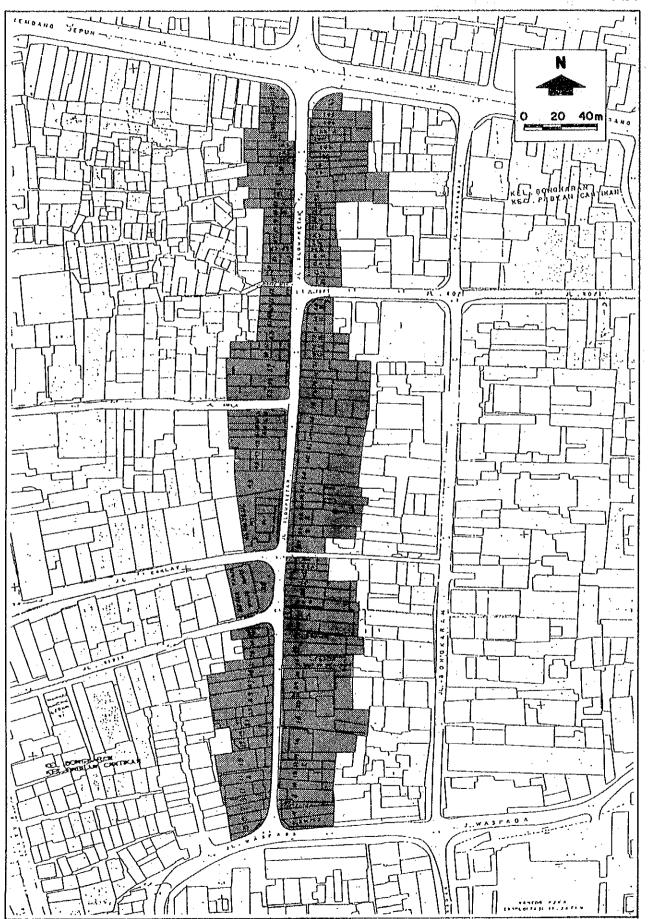
Commercial Generation

1.64 kg/shop/day

10.59 ltr/shop/day (on cart)

Notes: * *) after work the handcart stay at Depo

COMMERCIAL SURVEY AREA JL. SLOMPRETAN



Type of Survey

: COMMERCIAL GENERATION

Kelurahan

: Bubutan

Location of Survey

: Wijaya Shopping Centre

Type of Commodity

: Watch Shop, Gold Shop, Cosmetic, Textile shop

Area

: 10,000 m2

Type of Equipment

: Container Truck

Truck Number

: L9657 CG

Body / Container Size

: 6 m3

Interval Collection

: Every Day

Surveyor

: Syamsuddin & Rustamadji

| | Ī | ···························· | | Time | Cont. | Truck | Weight | (kg) | Wa | ste | Tim | e in | Waste |
|------|----|------------------------------|------|-------|--------|-------|---------|-------|------|--------|-------|------|-----------|
| Days | | Da | te | Start | Number | Full | Empty | Net | Vol. | Volume | LF | Α | Condition |
| | | | | ٠ | | | | | (%) | (m3) | tn | Out | |
| 1 | 19 | March | 1992 | 8.40 | B 257 | 4,600 | 4,100 | 500 | 40 | 2.40 | 9.12 | | Dry |
| 2 | 20 | March | 1992 | 9.05 | B 252 | 4,440 | 4,120 | 320 | 35 | 2.10 | 9.35 | | Wet |
| 3 | 21 | March | 1992 | 9.27 | B 255 | 4,660 | 3,820 | 840 | 60 | 3.60 | 10.57 | | Wet |
| 4 | 22 | March | 1992 | | Off | | Off | | C | ff | 0 | ff | |
| 5 | 23 | March | 1992 | 9.37 | | 4,460 | 3,330 | 1,130 | 100 | 6.00 | 10.13 | | Dry |
| 6 | 24 | March | 1992 | 10.15 | 8247 | 4,310 | 3,440 | 870 | 80 | 4.80 | 10.33 | | Dry |
| . 7 | 25 | March | 1992 | 10.35 | B 255 | 4,460 | . 3,820 | 640 | 50 | 3.00 | 10.59 | | Dry |
| 8 | 26 | March | 1992 | 10.30 | B 169 | 4,140 | 3,790 | . 350 | 25 | 1.50 | 10.51 | | Wet |

Total Net of waste

4,650 kg

Total Volume of waste

23.40 m3 (on truck)

Period of Survey

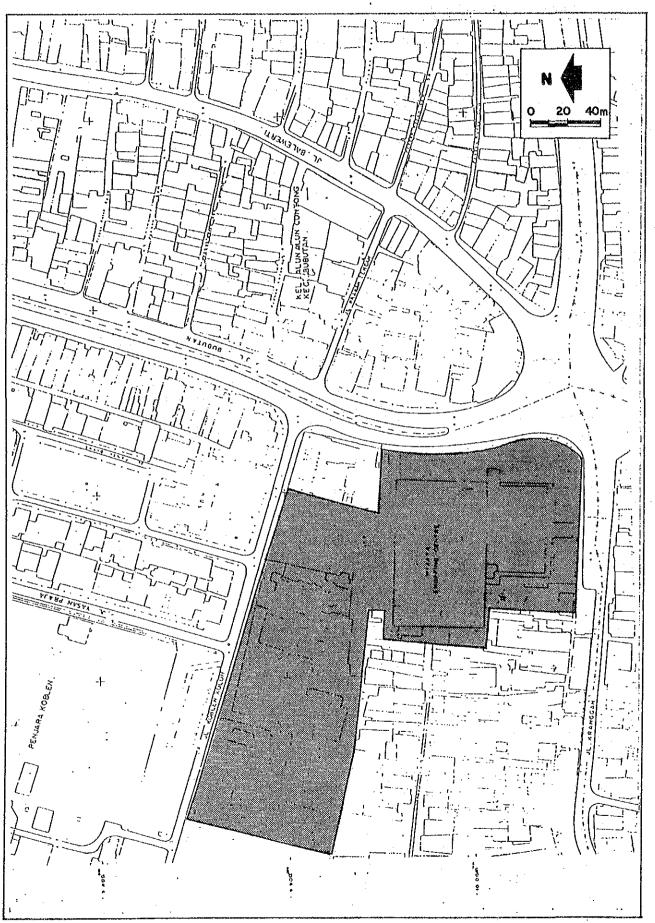
8 days

Commercial Generation

0.06 kg/m2/day

0.29 ltr/m2/day (on truck)

COMMERCIAL SURVEY AREA WIJAYA SHOPPING CENTRE



Type of Survey

MARKET GENERATION

Location of Survey :

Pasar Keputran

Address

Jl. Keputran

Area

: 17,157 m²

Type of Equipment :

Dump Truck

Type of Waste

: Vegetables

Interval of Collection : Every Day

Surveyor

| No. of Trip | Truck Number | Cont. No. | Time Start | Tru | ck Weigh | nt (kg) | Waste Vol. | Time i | n LPA | Waste Condition |
|----------------|-----------------|--------------|---------------|-------|----------|---------|-------------------|--------|-------|--------------------|
| | : | | | Full | Empty | Net | (m ³) | ln | Out | |
| | 16 March 92 | | | | | | | | | |
| 1 | L 9605 CF | A 01 | 11.10 | 5,560 | 3,260 | 2,300 | 5.95 | 11.31 | | Wet |
| 2 | L 9605 CF | A 01 | 12.45 | 5,400 | 3,260 | 2,140 | 5.95 | 13.03 | | Wet |
| 3 | L 9605 CF | A 01 | 14.14 | 5,600 | 3,260 | 2,340 | 5.95 | 14.35 | | Wet |
| 1 | L 9606 CF | A 02 | 10.45 | 5,120 | 3,240 | 1,880 | 5.95 | 11.10 | | Wet |
| 2 | L 9606 CF | A 02 | 12.20 | 4,780 | 3,240 | 1,540 | 5.95 | 12.45 | | Wet |
| 3 | L 9606 CF | A 02 | 14.10 | 5,480 | 3,240 | 2,240 | 5.95 | 14.30 | | Wet |
| 1 | L 9609 CB | A 04 | 10.55 | 5,040 | 3,140 | 1,900 | 5.95 | 11.14 | | Wet |
| 2 | L 9609 CB | A 04 | 12.30 | 5,420 | 3,140 | 2,280 | 5.95 | 12.40 | | Wet |
| 3 | L 9609 CB | A 04 | 14.00 | 5,380 | 3,140 | 2,240 | 5.95 | 14.18 | | Wet |
| 1 | L 9611 CB | A 05 | 11.00 | 5,360 | 3,260 | 2,100 | 5.95 | 11.20 | | Wet |
| 2 | L 9611 CB | A 05 | 13.20 | 5,340 | 3,260 | 2,080 | 5.95 | 13.45 | | Wet |
| 3 | L 9611 CB | A 05 | 14.50 | 6,800 | 3,260 | 3,540 | 5.95 | 15.25 | | Wet |
| 1 | L 9665 CL | A 06 | 11.05 | 5,960 | 3,480 | 2,480 | 5.95 | 11.23 | | Wet |
| 2 | L 9665 CL | A 06 | 12.35 | 5,940 | 3,480 | 2,460 | 5.95 | 12.55 | | Wet |
| 3 | L 9665 CL | A 06 | 14.05 | 5,780 | 3,480 | 2,300 | 5.95 | 14.23 | | Wet |
| | | | | | Total | 33,820 | 89.25 | | | |

Type of Survey

MARKET GENERATION

Location of Survey

Pasar Keputran

Address

Jl. Keputran

Area

17,157 m²

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval of Collection

Every Day

Surveyor

| No. of Trip | Truck Number | Cont. No. | Time Start | Tru | ck Weigl | nt (kg) | Waste Vol. | Time i | n LPA | Waste Condition |
|----------------|-----------------|--------------|---------------|-------|----------|---------------------------------------|-------------------|--------|-------|--------------------|
| | | | | Full | Empty | Net | (m ³) | ln | Out | |
| | 17 March 92 | | | | | · · · · · · · · · · · · · · · · · · · | | | | |
| 1 | L 9605 CF | A 01 | 11.02 | 5,560 | 3,260 | 2,300 | 5.95 | 11.24 | | Wet |
| 2 | L 9605 CF | A 01 | 12.37 | 5,200 | 3,260 | 1,940 | 5.95 | 12.58 | | Wet |
| 3 | L 9605 CF | A 01 | 14.06 | 4,740 | 3,260 | 1,480 | 5.95 | 14.25 | | Wet |
| 1 | L 9606 CF | A 02 | 11.35 | 5,400 | 3,240 | 2,160 | 5.95 | 11.55 | | Wet |
| 2 | L 9606 CF | A 02 | 12.55 | 5,380 | 3,240 | 2,140 | 5.95 | 13.25 | | Wet |
| 3 | L 9606 CF | A 02 | 14.25 | 5,960 | 3,240 | 2,720 | 5.95 | 14.47 | | Wet |
| 1 | L 9609 CB | A 04 | 10.41 | 6,020 | 3,140 | 2,880 | 5.95 | 11.05 | | Wet |
| 2 | L 9609 CB | A 04 | 12.32 | 5,200 | 3,140 | 2,060 | 5.95 | 12.55 | | Wet |
| 3 | L 9609 CB | A 04 | 14.01 | 5,140 | 3,140 | 2,000 | 5.95 | 14.24 | | Wet |
| 1 | L 9611 CB | A 05 | 10.46 | 4,960 | 3,260 | 1,700 | 5.95 | 11.12 | | Wet |
| 2 | L 9611 CB | A 05 | 12.25 | 5,260 | 3,260 | 2,000 | 5.95 | 12.47 | | Wet |
| 3 | L 9611 CB | A 05 | 13.55 | 4,740 | 3,260 | 1,480 | 5.95 | 14.35 | | Wet |
| 1 | L 9665 CL | A 06 | 10.58 | 5,340 | 3,480 | 1,860 | 5.95 | 11.14 | | Wet |
| 2 | L 9665 CL | A 06 | 12.17 | 5,660 | 3,480 | 2,180 | 5.95 | 12.42 | | Wet |
| 3 | L 9665 CL | A 06 | 14.10 | 5,380 | 3,480 | 1,900 | 5.95 | 14.28 | | Wet |
| | · | | | | Total | 30,800 | 89.25 | | | : |

Type of Survey

MARKET GENERATION

Location of Survey

Pasar Keputran

Address

Jl. Keputran

Area

17,157 m²

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval Collection

Every Day

Surveyor

| No. of Trip | Truck Number | Cont. No. | Time Start | Truck Weight (kg) | | | Waste Vol. | Time in LPA | | Waste Condition |
|--------------------|-----------------|--------------|---------------|-------------------|-------|-------|-------------------|-------------|-----|--------------------|
| | | | | Full | Empty | Net | (m ³) | ln | Out | |
| | 18 March 92 | | | | | | | | | |
| 1 | L 9605 CF | Á 01 | 9.16 | 6,000 | 3,260 | 2,740 | 5.95 | 9.55 | | Wet |
| 2 | L 9605 CF | A 01 | 11.25 | 6,140 | 3,260 | 2,880 | 5.95 | 12.45 | | Wet |
| 3 | L 9605 CF | A 01 | 13.08 | 7,360 | 3,260 | 4,100 | 5.95 | 13.32 | | Wet |
| 1 | L 9606 CF | A 02 | 9.25 | 6,240 | 3,240 | 3,000 | 5,95 | 9.47 | | Wet |
| 2 | L 9606 CF | A 02 | 11.14 | 6,880 | 3,240 | 3,640 | 5.95 | 12.36 | | Wet |
| . 3 | L 9606 CF | A 02 | 13.00 | 6,760 | 3,240 | 3,520 | 5.95 | 13.23 | | Wet |
| 1 | L 9609 CB | A 04 | 9.46 | 6,320 | 3,140 | 3,180 | 5.95 | 10.08 | | Wet |
| 2 | L 9609 CB | A 04 | 11.45 | 6,820 | 3,140 | 3,680 | 5.95 | 13.05 | | Wet |
| 3 | L 9609 CB | A 04 | 13.19 | 6,720 | 3,140 | 3,580 | 5.95 | 13.50 | | Wet |
| 1 | L 9611 CB | A 05 | 9.35 | 6,640 | 3,260 | 3,380 | 5.95 | 9.59 | | Wet |
| 2 | L 9611 CB | A 05 | 11.35 | 6,540 | 3,260 | 3,280 | 5.95 | 12.58 | | Wet |
| 3 | L 9611 CB | A 05 | 13.30 | 7,060 | 3,260 | 3,800 | 5.95 | 13.58 | | Wet |
| 1 | L 9665 CL | A 06 | 9.05 | 6,160 | 3,480 | 2,680 | 5.95 | 9.27 | | Wet |
| 2 | L 9665 CL | A 06 | 11.06 | 6,420 | 3,480 | 2,940 | 5.95 | 12.22 | | Wet |
| 3 | L 9665 CL | A 06 | 12.50 | 7,010 | 3,480 | 3,530 | 5.95 | 13.12 | | Wet |
| Total 49,930 89.25 | | | | | | | | | | |

Type of Survey

MARKET GENERATION

Location of Survey

Pasar Keputran

Address

Jl. Keputran

Area

17,157 m²

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval Collection

Every Day

Surveyor

| No. of Trip | Truck Number | Cont. No. | Time Start | Truck Weight (kg) | | | Waste Vol. | Time in LPA | | Waste Condition |
|--------------------|-----------------|--------------|---------------|-------------------|-------|-------|-------------------|-------------|-----|--------------------|
| | | | | Full | Empty | Net | (m ³) | In | Out | |
| | 19 March 92 | | | | | | | | | |
| 1 | L 9605 CF | A 01 | 10.48 | 5,480 | 3,260 | 2,220 | 5.95 | 11.13 | | Wet |
| 2 | L 9605 CF | A 01 | 12.30 | 4,780 | 3,260 | 1,520 | 5.95 | 12.55 | | Wet |
| 3 | L 9605 CF | A 01 | 14.04 | 5,280 | 3,260 | 2,020 | 5.95 | 14.25 | | Wet |
| 1 | L 9606 CF | A 02 | 10.33 | 5,460 | 3,240 | 2,220 | 5.95 | 10.56 | | Wet |
| 2 | L 9606 CF | A 02 | 12.15 | 5,160 | 3,240 | 1,920 | 5.95 | 12.47 | | Wet |
| -3 | L 9606 CF | A 02 | 14.00 | 4,680 | 3,240 | 1,440 | 5.95 | 14.20 | | Wet |
| 1 | L 9609 CB | A 04 | 10.38 | 4,820 | 3,140 | 1,680 | 5.95 | 11.03 | | Wet |
| 2 | L 9609 CB | A 04 | 12.35 | 5,040 | 3,140 | 1,900 | 5.95 | 12.58 | | Wet |
| 3 | L 9609 CB | A 04 | 14.09 | 5,280 | 3,140 | 2,140 | 5.95 | 14.32 | | Wet |
| 1 | L 9611 CB | A 05 | 11.44 | 4,980 | 3,260 | 1,720 | 5.95 | 12.08 | | Wet |
| 2 | L 9611 CB | A 05 | 12.43 | 5,160 | 3,260 | 1,900 | 5.95 | 13.03 | ٠ | Wet |
| 3 | L 9611 CB | A 05 | 14.17 | 5,160 | 3,260 | 1,900 | 5.95 | 14.46 | | Wet |
| 1 | L 9665 CL | A 06 | 11.34 | 5,960 | 3,480 | 2,480 | 5.95 | 11.56 | | Wet |
| 2 | L 9665 CL | A 06 | 13.16 | 5,540 | 3,480 | 2,060 | 5.95 | 13.33 | | Wet |
| 3 | L 9665 CL | A 06 | 14.25 | 6,000 | 3,480 | 2,520 | 5.95 | 14.42 | | Wet |
| Total 29,640 89.25 | | | | | | | | | | |

Type of Survey

MARKET GENERATION

Location of Survey

Pasar Keputran

Address

Jl. Keputran

Area

17,157 m²

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval Collection

Every Day

Surveyor

Moch. Tauhid & Rustamadji

| No. of Trip | Truck Number | Cont. No. | Time Start | Truck Weight (kg) | | | Waste Vol. | Time in LPA | Waste Condition |
|----------------|-----------------|--------------|---------------|-------------------|--|-----|-------------------|-------------|--------------------|
| | | | | Full Empty Net | | | (m ³) | In Out | |
| | 20 March 92 | | Off | | | Off | | | Off |

Type of Survey

MARKET GENERATION

Location of Survey

Pasar Keputran

Address

Jl. Keputran

Area

17,157 m²

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval Collection

Every Day

Surveyor

Moch. Tauhid & Rustamadji

| No. of Trip | Truck Number | Cont. No. | Time Start | Tru | ck Weigh | nt (kg) | Waste Vol. | Time i | n LPA | Waste Condition |
|----------------|-----------------|--------------|---------------|-------|----------|---------|---------------------|--------|-------|--------------------|
| | | | | Full | Empty | Net | 1 (m ³) | In | Out | |
| | 21 March 92 | | - | | | | | | | |
| 1 | L 9605 CF | A 01 | 12.00 | 5,920 | 3,260 | 2,660 | 6.55 | 12.25 | | Wet |
| 1 | L 9606 CF | A 02 | 10.14 | 5,680 | 3,240 | 2,440 | 7.14 | 10.38 | | Wet |
| 2 | L 9606 CF | A 02 | 12.18 | 6,060 | 3,240 | 2,820 | 7.14 | 12.40 | | Wet |
| 1 | L 9609 CB | A 04 | 11.00 | 5,480 | 3,140 | 2,340 | 7.14 | 11.28 | | Wet |
| 1 | L 9611 CB | A 05 | 10.09 | 5,480 | 3,260 | 2,220 | 5.95 | 10.43 | | Wet |
| 2 | L 9611 CB | A 05 | 12.29 | 6,540 | 3,260 | 3,280 | 7.14 | 12.51 | | Wet |
| 1 | L 9665 CL | A 06 | 10.17 | 6,280 | 3,480 | 2,800 | 7.14 | 10.40 | | Wet |
| 2 | L 9665 CL | A 06 | 12.10 | 5,920 | 3,480 | 2,440 | 5.95 | 12.25 | | Wet |
| | | | | | Total | 21,000 | 54.74 | | | |

Type of Survey

MARKET GENERATION

Location of Survey

Pasar Keputran

Address

Jl. Keputran

Area

17,157 m²

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval Collection

Every Day

Surveyor

Moch. Tauhid & Rustamadji

| No. of Trip | Truck Number | Cont. No. | Time Start | Tru | ck Weigh | ıt (kg) | Waste Vol. | Time i | n LPA | Waste Condition |
|----------------|-----------------|--------------|---------------|----------------|----------|-------------------|---------------|--------|-------|--------------------|
| | | | | Full Empty Net | | (m ³) | ln | Out | | |
| | 22 March 92 | | | | | | | | | |
| 1 | L 9605 CF | A 01 | 10.40 | 4,440 | 3,260 | 1,180 | 5.95 | 11.00 | | Wet |
| 2 | L 9605 CF | A 01 | 12.00 | 3,890 | 3,260 | 630 | 5.95 | 12.17 | | Wet |
| 1 | L 9606 CF | A 02 | 10.20 | 4,390 | 3,240 | 1,150 | 6.55 | 10.40 | | Wet |
| 2 | L 9606 CF | A 02 | 11.29 | 4,370 | 3,240 | 1,130 | 6.55 | 11.48 | | Wet |
| 3 | L 9606 CF | A 02 | 12.58 | 4,710 | 3,240 | 1,470 | 5.95 | 13.14 | | Wet |
| 1 | L 9609 CB | A 04 | 10.31 | 4,010 | 3,140 | 870 | 5.95 | 10.49 | | Wet |
| 2 | L 9609 CB | A 04 | 11.40 | 4,710 | 3,140 | 1,570 | 7.14 | 11.56 | | Wet |
| 3 | L 9609 CB | A 04 | 12.50 | 4,830 | 3,140 | 1,690 | 5.95 | 13.09 | | Wet |
| 1 | L 9611 CB | A 05 | 10.35 | 4,290 | 3,260 | 1,030 | 5.95 | 10.54 | | Wet |
| 2 | L 9611 CB | A 05 | 11.54 | 4,930 | 3,260 | 1,670 | 5.95 | 12.13 | | Wet |
| 3 | L 9611 CB | A 05 | 13.01 | 4,250 | 3,260 | 990 | 5.95 | 13.51 | | Wet |
| 1 | L 9665 CL | A 06 | 10.25 | 4,470 | 3,480 | 990 | 5.95 | 10.41 | | Wet |
| | | | | | Total | 14,370 | 73.78 | | | |

Type of Survey

MARKET GENERATION

Location of Survey

Pasar Keputran

Address

Jl. Keputran

Area

17,157 m²

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval Collection

Every Day

Surveyor

Moch. Tauhid & Rustamadji

| No. of Trip | Truck Number | Cont. No. | Time Start | Tru | ck Weigh | it (kg) | Waste Vol. | Time in LPA | | Waste Condition | |
|----------------|--------------------|--------------|---------------|-------|----------|---------|-------------------|-------------|-----|--------------------|--|
| | | | | Full | Empty | Net | (m ³) | In | Out | | |
| | 23 March 92 | | | | | | | | · | | |
| 1 | L 9605 CF | A 01 | 10.55 | 4,740 | 3,260 | 1,480 | 7.74 | 11.13 | | Wet | |
| 2 | L 9605 CF | A 01 | 12.34 | 4,680 | 3,260 | 1,420 | 8.33 | 12.57 | | Wet | |
| 1 | L 9606 CF | A 02 | 10.41 | 5,860 | 3,240 | 2,620 | 8.33 | 10.57 | | Wet | |
| 2 | L 9606 CF | A 02 | 12.06 | 4,340 | 3,240 | 1,100 | 5.95 | 12.23 | | Wet | |
| 1 | L 9609 CB | A 04 | 10.32 | 5,140 | 3,140 | 2,000 | 8.03 | 10.50 | · | Wet | |
| 2 | L 9609 CB | A 04 | 12.14 | 5,600 | 3,140 | 2,460 | 7.08 | 12.45 | | Wet | |
| 1 | L 9611 CB | A 05 | 10.45 | 4,760 | 3,260 | 1,500 | 7.74 | 11.05 | : | Wet | |
| 2 | L 9611 CB | A 05 | 12.25 | 5,360 | 3,260 | 2,100 | 7.74 | 12.49 | | Wet | |
| 1 | L 9665 CL | A 06 | 11.28 | 5,650 | 3,480 | 2,170 | 5.95 | 11.45 | | Wet | |
| 2 | L 9665 CL | A 06 | 12.57 | 4,620 | 3,480 | 1,140 | 7.14 | 13.10 | | Wet | |
| | Total 17,990 74.02 | | | | | | | | | | |

Average 24,694 kg/day

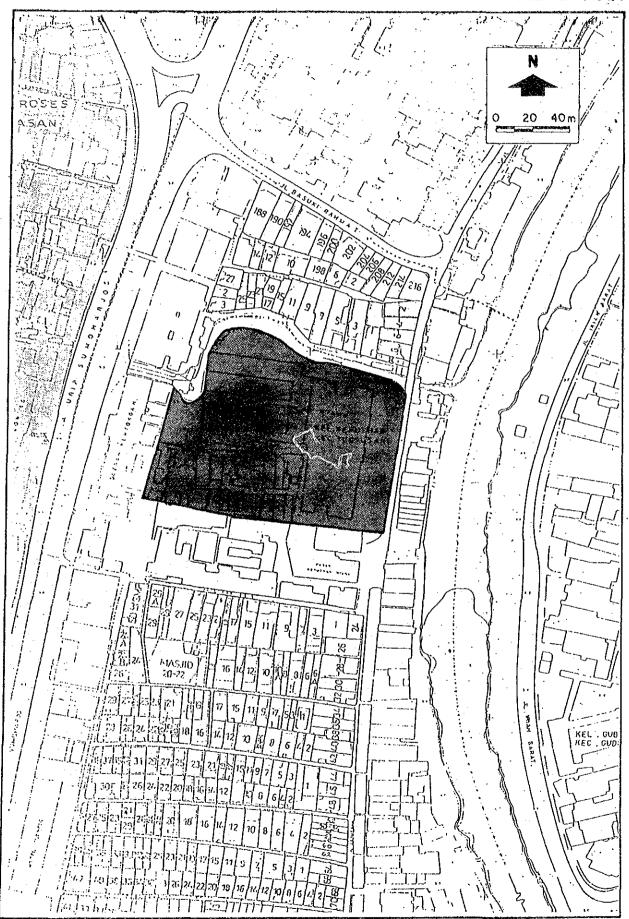
69.94 m³/day (on truck)

Market Generation

1.44 kg/m²/day

4.08 ltr/m²/day (on truck)

MARKET SURVEY AREA PASAR KEPUTRAN



Type of Survey

MARKET GENERATION

Location of Survey

Pasar Wonokromo

Address

Jl. Stasiun Wonokromo

Area

14,276 m²

Truck Number

L 2190 CJ

N 2392 S

Type of Equipment

Dump Truck

Type of Waste

Vegetables

Interval Collection

Every Day

Surveyor

Agus Herinomo & Rustamadji

| No. of Trip | Date | Cont . No. | Time Start | Tru | ck Weigh | nt (kg) | Waste Vol. | Time | in LPA | Waste Condition |
|----------------|---------------|---------------|---------------|--------|----------|---------|---------------|-------|--------|--------------------|
| | , | | Jun | Ful! | Empty | Net | (m³) | ln | Out | |
| 1 | 16 March 1992 | | 10.32 | 12,720 | 5,480 | 7,240 | 18.72 | 11.03 | | Wet |
| 2 | | | 14.24 | 13,140 | 5,480 | 7,660 | 18.24 | 15.25 | | Wet |
| 1 | 17 March 1992 | | 9.07 | 14,160 | 5,480 | 8,680 | 20.16 | 9.37 | | Wet |
| 2 | | | 14.55 | 14,160 | 5,480 | 8,980 | 20.16 | 15.18 | | Wet |
| 1 | 18 March 1992 | | 10.30 | 12,000 | 5,480 | 6,520 | 20.52 | 10.57 | | Wet |
| 2 | | | 14.20 | 10,100 | 5,480 | 4,620 | 17.28 | 16.00 | | Wet |
| 1 | 19 March 1992 | | 8.45 | 14,280 | 5,480 | 8,800 | 21.19 | 9.25 | | Wet |
| 2 | | | 14.10 | 12,240 | 5,480 | 6,760 | 20.52 | 14.38 | : | Wet |
| 1 | 20 March 1992 | | 8.07 | 14,920 | 5,480 | 9,440 | 20.52 | 8.58 | | Wet |
| 2 | | | 13.10 | 13,280 | 5,480 | 7,800 | 21.12 | 13.40 | | Wet |
| 1 | 21 March 1992 | | 8.20 | 14,700 | 5,480 | 9,220 | 20.16 | 8.47 | | Wet |
| 2 | | | 12.32 | 12,700 | 5,480 | 7,220 | 19.20 | 12.55 | | Wet |
| 1 | 22 March 1992 | | 8.45 | 12,440 | 5,480 | 6,960 | 21.12 | 9.14 | | Wet |
| 2 | | | 13.25 | 11,660 | 5,480 | 6,180 | 19.20 | 14.03 | | Wet |

Average 15,154 kg/day

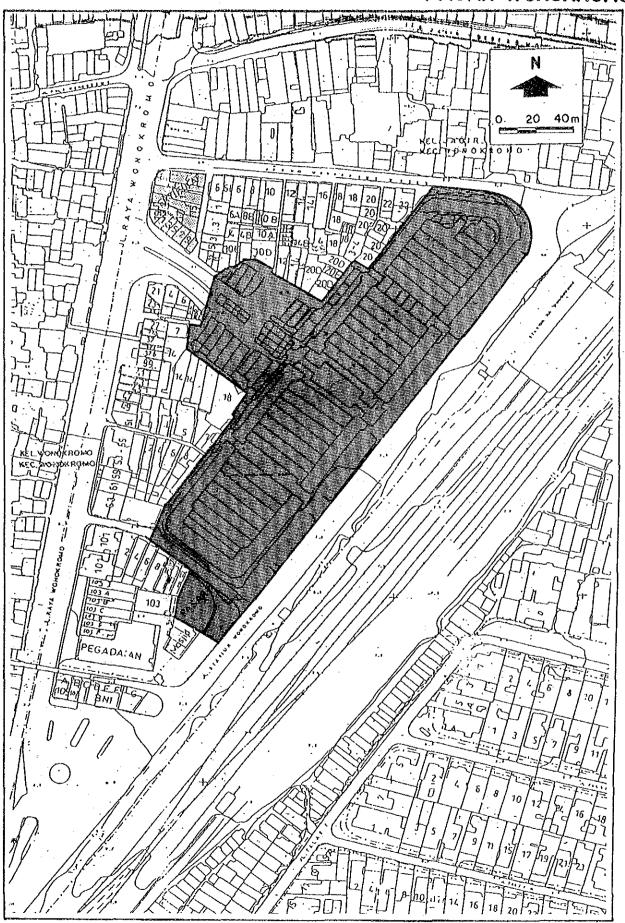
39.73 m³/day (on truck)

Market Generation

1.06 kg/m²/day

2.78 ltr/m²/day (on truck)

MARKET SURVEY AREA PASAR WONOKROMO



Type of Survey

MARKET GENERATION

Location of Survey

Pasar Pegirian

Address

Jl. Nyamplungan

Area

4,140 m²

Truck Number

L 9695 CG

Type of Equipment

Container Truck

Body / Container Size:

10 m³

Type of Waste

Fruit & Grass

Interval Collection

Every Day

Surveyor

Transpiosa & Rustamadji

| No. of Trip | Date | Cont. No. | Time Start | Truck Weight (kg) | | | Waste | | Time in LPA | | Waste Condition |
|----------------|---------------|--------------|---------------|-------------------|-------|-------|-------------|---------------------------|----------------|-----|--------------------|
| | | | | Full | Empty | Net | Vol. (%) | Vol. (m ³) | ln | Out | |
| 1 | 17 March 1992 | C 59 | 12.45 | 1,020 | 6,820 | 4,200 | 100 | 10 | 13.35 | | Wet |
| 1 | 18 March 1992 | C 59 | 8.50 | 1,340 | 6,820 | 4,520 | 100 | 10 | 11.56 | | Wet |
| 1 | 20 March 1992 | C 38 | 10.15 | 9,700 | 6,780 | 2,920 | 100 | 10 | 11.25 | | Wet |
| 1 | 21 March 1992 | C 59 | 11.40 | 9,680 | 6,820 | 2,860 | 100 | 10 | 12.28 | | Wet |
| 1 | 22 March 1992 | C 48 | 9.48 | 9,630 | 5,960 | 3,670 | 100 | 10 | 10.13 | | Wet |
| 1 | 23 March 1992 | C 42 | 8.55 | 8,140 | 5,470 | 2,670 | 100 | 10 | 9.19 | | Wet |
| 1_1_ | 24 March 1992 | C 29 | 10.17 | 8,560 | 5,360 | 3,200 | 100 | 10 | 10.40 | | Wet |

Average 3,434 kg/day

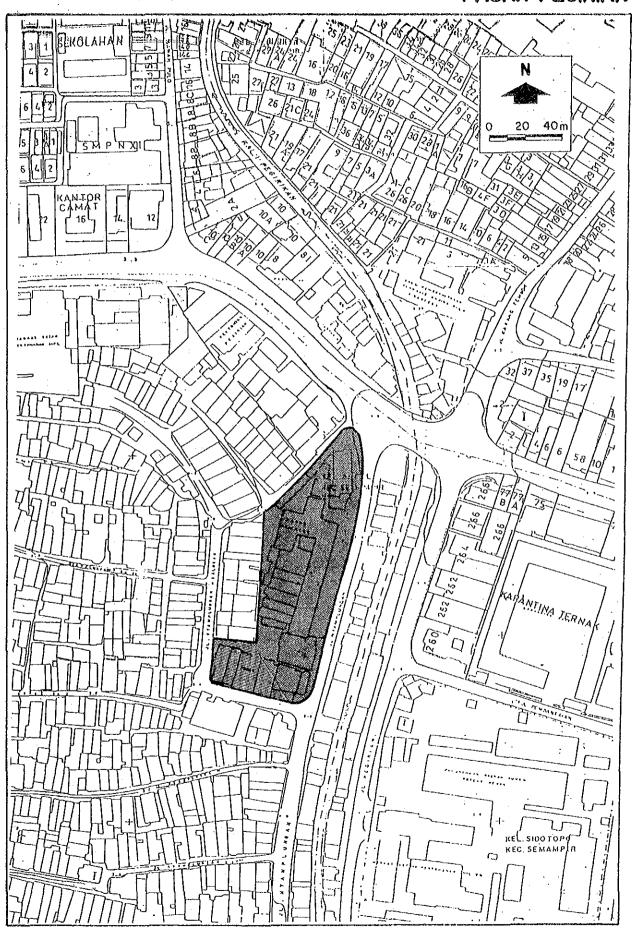
10.00 m³/day (on truck)

Market Generation

0.83 kg/m²/day

2.41 ltr/m²/day (on truck)

MARKET SURVEY AREA PASAR PEGIRIAN



1

Type of Survey

: MARKET GENERATION

Location of Survey

: Pasar Kupang

Address

: Jl. Pandegiling

Area

: 3,000 m2

Truck Number

: L 9654 CG

Type of Equipment

: Container Truck

Body / Container Size

: 6 m3

Type of Waste

: Fruit & Grass

Interval Collection

: Every Day

Surveyor

: Agus Thaufan & Rustamadji

| No. of | | Cont. | Time | Truck | Weight | (kg) | Wa | ste | Tim | e in | Waste |
|--------|---------------|-------|-------|-------|--------|--------|------|------|-------|------|-----------|
| Trip | Date | No. | start | Full | Empty | Neť | Vol. | Vol. | LF | PA | Condition |
| | | | | | | | (%) | (m3) | in | Out | |
| 1 | 16 March 1992 | B 270 | 12.00 | 5,140 | 4,120 | 1,020 | 90 | 5.40 | 12.23 | | Wet |
| 1 | 17 March 1992 | B 141 | 12.15 | 5,460 | 4,100 | 1,360 | 90 | 5.40 | 12.45 | | Wet |
| 1 | 18 March 1992 | B 264 | 13.00 | 5,960 | 4,120 | 1,840 | 90 | 5.40 | 13.30 | | Wet |
| 1 | 19 March 1992 | B 262 | 13.45 | 5,400 | 4,100 | 1,300 | 90 | 5.40 | 14.32 | | Wet |
| 1 | 20 March 1992 | B 264 | 13.35 | 5,520 | 4,120 | 1,400 | 90 | 5.40 | 14.02 | | Wet |
| 1 | 21 March 1992 | W 002 | 12.35 | 5,660 | 4,100 | 1,560 | 90 | 5.40 | 12.59 | | Wet |
| 1 | 22 March 1992 | B 264 | 12.55 | 5,880 | 4,120 | 1,760 | 90 | 5.40 | 13.16 | | Wet |

Average

1,463 kg/day

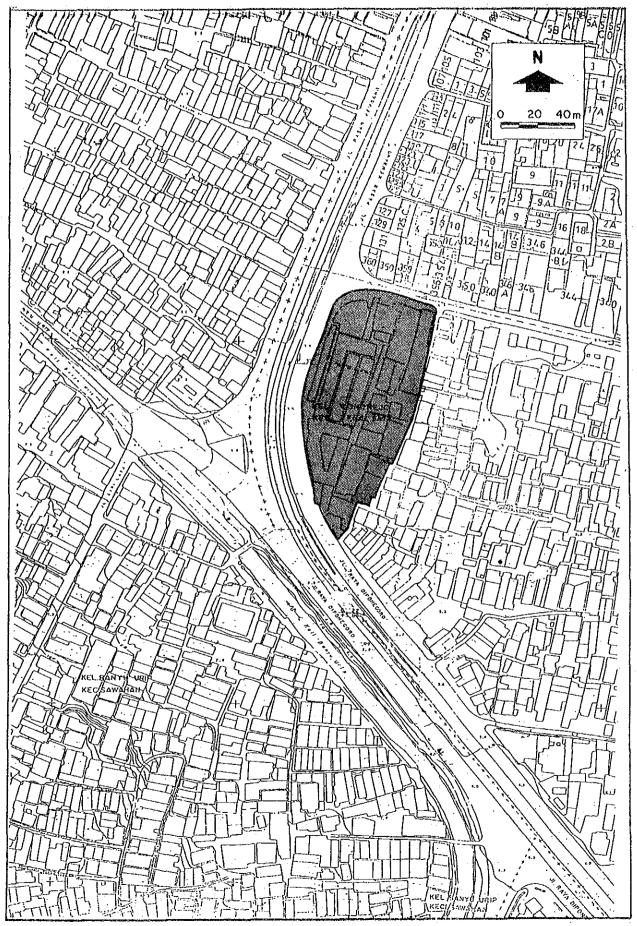
5.40 m3/day (on truck)

Market Generation

0.49 kg/m2/day

1.80 ltr/m2/day (on truck)

MARKET SURVEY AREA PASAR KUPANG



II Vehicle Weight Survey

(1) Survey Point

The survey was conducted at the entrance of Kenjeran Landfill Site and Lakarsantri.

(2) Survey Method

By using a portable weighing bridge, the weight of axles were measured. Measuring process is divided into two parts; namely front axle and rear axle because the size of censor is not enough to contain the whole vehicle on it at one time. Then the vehicle weight is calculated as the sum of both axles' weight. Measuring was conducted twice for each arrival of vehicle, before and after dumping the load, so as to know the net weight of dumped weight.

The loading rate was observed by eye measure comparing with the full capacity of each vehicle.

(3) Summary of Results

| Туре | Loaded (kg) | Empty (kg) | Net (kg) | Loading Rate (%) |
|------|----------------|---------------|-------------|------------------|
| Α | 9,282 | 5,308 | 3,974 | 95 |
| В | 9,602 | 5,934 | 3,668 | 99 |
| С | 5,455 | 3,487 | 1,968 | 9 9 |
| D | 10,050 | 6,896 | 3,154 | 84 |
| Е | 5,113 | 4,099 | 1,014 | 63 |
| F | 5,270 | 2,948 | 2,322 | 99 |
| G | 9,477 | 4,217 | 5,260 | 133 |
| Н | 2,785 | 1,845 | 940 | 101 |
| I | 6,707 | 3,288 | 3,419 | 130 |

Notes:

Type Vehicle

- A KMS Container 12 m³
- B KMS Container 10 m³
- C KMS Container 6 m³
- D KMS Compactor 10 m³
- E KMS Compactor 6 m³
- F KMS Dump Truck
- G Private Dump Truck (Contractor Nominated by KMS)
- H Other (Self Carry by Factory, etc)
- I Other (KMS Vehicle, Non Cleansing Department)

(4) Data Page: 1

Raw Data

Type of Survey

Vehicle Weight

Location Measured

Kenjeran & Lakarsantri

Season

| No | Date | Vehicle No. | Туре | Vehic | e Weight | | Loading |
|-----|----------|-------------|------|--------|----------|-------|----------|
| | | 1 | | Loaded | Empty | Net | Rate (%) |
| 1 | 1-4-1992 | 2067 | Н | 3.790 | 2.160 | 1.630 | 200 |
| 2 | 1-4-1992 | 2067 | Н | 3.770 | 2.390 | 1.380 | 200 |
| 3 | 1-4-1992 | 2199 | G | 10.920 | 4.730 | 6.190 | 200 |
| 4 | 1-4-1992 | 2201 | G | 11.470 | 4.930 | 6.540 | 200 |
| 5 | 1-4-1992 | 2201 | G | 11.570 | 4.910 | 6.660 | 200 |
| 6 | 1-4-1992 | 2764 | H | 1.870 | 1.540 | 330, | 150 |
| 7 | 1-4-1992 | 3103 | Н | 2.190 | 1.280 | 910 | 200 |
| 8 | 1-4-1992 | 9613 CH | E | 6.140 | 4.290 | 1.850 | 70 |
| 9 | 1-4-1992 | 9615 CH | E | 4900 | 4350 | 550 | 50 |
| 10 | 1-4-1992 | 9653 CG | С | 5.800 | 3.920 | 1.880 | 90 |
| 11 | 1-4-1992 | 9653 CG | C | 6.120 | 3.990 | 2.130 | 100 |
| -12 | 1-4-1992 | 9653 CG | С | 5.930 | 3.750 | 2.180 | 100 |
| 13 | 1-4-1992 | 9653 CG | С | 5.550 | 4.010 | 1.540 | 90 |
| 14 | 1-4-1992 | 9653 CG | C | 5.860 | 3.940 | 1.920 | 100 |
| 15 | 1-4-1992 | 9656 CG | С | 6.240 | 4.040 | 2.200 | 90 |
| 16 | 1-4-1992 | 9656 CG | С | 6.150 | 3.970 | 2.180 | 100 |
| 17 | 1-4-1992 | 9656 CG | С | 5.580 | 3,990 | 1.590 | 100 |
| 18 | 1-4-1992 | 9656 CG | С | 5.880 | 3.930 | 1.950 | 100 |
| 19 | 1-4-1992 | . 9656 CG | С | 5.810 | 3.840 | 1.970 | 100 |
| 20 | 1-4-1992 | 9661 CE | Α | 10.500 | 6.580 | 3.920 | 100 |
| 21 | 1-4-1992 | 9665 | 1 | 4.720 | 3.740 | 980 | 50 |
| 22 | 1-4-1992 | 9668 CG | С | 6.160 | 3.790 | 2.370 | 100 |
| 23 | 1-4-1992 | 9668 CG | С | 5.240 | 3.740 | 1.500 | 100 |
| 24 | 1-4-1992 | 9668 CG | С | 3.660 | 1.700 | 1.960 | 100 |
| 25 | 1-4-1992 | 9668 CG | C | 5.820 | 3.740 | 2.080 | 100 |
| 26 | 1-4-1992 | 9672 CF | D | 10.530 | 8.040 | 2.490 | 70 |
| 27 | 1-4-1992 | 9672 CF | D | 11.030 | 8.070 | 2.960 | 70 |
| 28 | 1-4-1992 | 9675 CF | D | 9.470 | 8.010 | 1.460 | 50 |
| 29 | 1-4-1992 | 9678 CF | В | 11.750 | 7.460 | 4.290 | 100 |
| 30 | 1-4-1992 | 9679 CG | В | 10.640 | 6.890 | 3.750 | 100 |
| 31 | 1-4-1992 | 9679 CG | В | 10.680 | 6.780 | 3.900 | 100 |
| 32 | 1-4-1992 | 9679 CG | В | 11.130 | 7.050 | 4.080 | 100 |
| 33 | 1-4-1992 | 9679 CG | В | 11.440 | 6.980 | 4.460 | 100 |
| 34 | 1-4-1992 | 9679 CG | В | 11.140 | 6.940 | 4.200 | 100 |
| 35 | 1-4-1992 | 9687 CH | С | 6.250 | 3.950 | 2.300 | 100 |
| 36 | 1-4-1992 | 9687 CH | C | 5.750 | 3.830 | 1.920 | 100 |
| 37 | 1-4-1992 | 9687 CH | C | 5.830 | 3.900 | 1.930 | 90 |

Type of Survey

Vehicle Weight

Location Measured

Kenjeran & Lakarsantri

Season

| No. | Date | Vehicle No. | Туре | Vehic | le Weight | (kg) | Loading |
|---------|-----------|-------------|------|--------|-----------|--------|----------|
| 0.3.4.5 | | | | Loaded | Empty | Net | Rate (%) |
| 38 | 1-4-1992 | 9687 CH | С | 6.640 | 3.880 | 2.760 | 100 |
| 39 | 1-4-1992 | 9687 CH | С | 5.350 | 3.840 | 1.510 | 100 |
| 40 | 1-4-1992 | 9687 CH | С | 6.430 | 3.990 | 2.440 | 100 |
| 41 | 1-4-1992 | 9687 CH | C. | 5.850 | 3.900 | 1.950 | 100 |
| 42 | 1-4-1992 | 9688 CH | С | 6.320 | 3.820 | 2.500 | 100 |
| 43 | 1-4-1992 | 9688 CH | С | 6.480 | 4.060 | 2.420 | 100 |
| 44 | 1-4-1992 | 9688 CH | C | 6.350 | 4.000 | 2.350 | 100 |
| 45 | 1-4-1992 | 9688 CH | С | 6.780 | 4.020 | 2.760 | 100 |
| 46 | 1-4-1992 | 9688 CH | С | 6.210 | 3.840 | 2.370 | 100 |
| 47 | 1-4-1992 | 9688 CH | С | 5.900 | 4.020 | 1.880 | 100 |
| 48 | 1-4-1992 | 9688 CH | С | 6.490 | 4.230 | 2.260 | 100 |
| 49 | 1-4-1992 | 9688 CH | С | 6.250 | 4070 | 2.180 | 100 |
| 50 | 1-4-1992 | 9688 CH | С | 6،710 | 3.890 | 2.820 | 100 |
| 51 | 1-4-1992 | 9688 CH | C, | 6.270 | 3.940 | 2.330 | 100 |
| 52 | 1-4-1992 | 9693 CG | С | 5.350 | 3.710 | 1.640 | 100 |
| 53 | 1-4-1992 | 9693 CG | С | 5.920 | 3.740 | 2.180 | 100 |
| 54 | 1-4-1992 | 9693 CG | С | 6.080 | 3.880 | 2.200 | 100 |
| 55 | 1-4-1992 | 9693 CG | С | 6.040 | 3.690 | 2.350 | 100 |
| 56 | 1-4-1992 | 9693 CG | С | 5.400 | 3.510 | 1.890 | 100 |
| 57 | 1-4-1992 | 9693 CG | С | 5.640 | 3.650 | 1.990 | 100 |
| 58 | 21-3-1992 | 2190 | G | 7.450 | 5.360 | 2.090 | 100 |
| 59 | 21-3-1992 | 3144 | Н | 1.660 | 880 | 780 | 200 |
| 60 | 21-3-1992 | 9603 CF | С | 4.650 | 3.500 | 1.150 | 100 |
| 61 | 21-3-1992 | 9603 CF | С | 5.060 | 3.470 | 1.590 | 100 |
| 62 | 21-3-1992 | 9603 CF | С | 5.340 | 3.440 | 1.900 | 100 |
| 63 | 21-3-1992 | 9608 | _ | 5.850 | 3.310 | 2.540 | 100 |
| 64 | 21-3-1992 | 9609 CB | F. | 5.370 | 3.120 | 2.250 | 100 |
| 65 | 21-3-1992 | 9626 CE | С | 5.720 | 4.030 | 1.690 | 100 |
| 66 | 21-3-1992 | 9626 CE | С | 6.260 | 3.770 | 2.490 | 100 |
| 67 | 21-3-1992 | 9630 CE | В | 9.830 | 6.850 | 2.980 | 100 |
| 68 | 21-3-1992 | 9649 CB | C. | 5.680 | 3,620 | 2.060 | 100 |
| 69 | 21-3-1992 | 9649 CB | C | 6.300 | 4.520 | 1.780 | 100 |
| 70 | 21-3-1992 | 9649 CB | С | 5.440 | 3.760 | 1.680 | 100 |
| 71 | 21-3-1992 | 9653 CG | С | 6.310 | 3.770 | 2.540 | 100 |
| 72 | 21-3-1992 | 9653 CG | С | 6.470 | 4.020 | 2.450 | 100 |
| 73 | 21-3-1992 | 9653 CG | С | 5.760 | 4.120 | 1.640 | 100 |
| 74 | 21-3-1992 | 9654 CG | C | 6.030 | 3,620 | 2.410 | 100 |

Type of Survey

Vehicle Weight

Location Measured

Kenjeran & Lakarsantri

Season

| No | Date | Vehicle No. | Type | Vehic | e Weight | (kg) | Loading |
|-----|-----------|-------------|----------|--------|----------|--------|----------|
| | | | '' | Loaded | Empty | Net | Rate (%) |
| 75 | 21-3-1992 | 9655 CG | . C | 5.680 | 4.040 | 1.640 | 90 |
| 76 | 21-3-1992 | 9655 CG | С | 5.920 | 3.890 | 2.030 | 100 |
| 77 | 21-3-1992 | 9655 CG | С | 5.730 | 3.830 | 1.900 | 1,00 |
| 78 | 21-3-1992 | 9657 BE | Α | 5.750 | 4.600 | 1.150 | 100 |
| 79 | 21-3-1992 | 9657 BE | A | 8.980 | 5.980 | 3.000 | 100 |
| 80 | 21-3-1992 | 9660 CE | Α | 10.300 | 6.070 | 4.230 | 100 |
| 81 | 21-3-1992 | 9665 | 1 | 3.830 | 3.340 | 490 | 1,00 |
| 82 | 21-3-1992 | 9669 CG | С | 5,520 | 3.610 | 1.910 | 100 |
| 83 | 21-3-1992 | 9673 CF | В | 9.600 | 7.540 | 2.060 | 90 |
| 84 | 21-3-1992 | 9674 CF | D | 10.460 | 8.260 | 2.200 | 100 |
| 85 | 21-3-1992 | 9676 CG | С | 5.650 | 4.060 | 1.590 | 90 |
| 86 | 21-3-1992 | 9678 CF | В | 10.650 | 7.320 | 3.330 | 100 |
| 87 | 21-3-1992 | 9683 CG | В | 8.990 | 6.680 | 2.310 | 100 |
| 88 | 21-3-1992 | 9685 CF | D | 12.330 | 8.180 | 4.150 | 100 |
| 89 | 21-3-1992 | 9687 CH | 0 | 6.080 | 3.890 | 2.190 | 90 |
| 90 | 21-3-1992 | 9691 CG | В | 9.610 | 6.100 | 3,510 | 100 |
| 91 | 21-3-1992 | 9695 CG | В | 9.260 | 6.420 | 2.840 | 100 |
| 92 | 22-3-1992 | 2008 | G | 6.850 | 3.830 | 3.020 | 100 |
| 93 | 22-3-1992 | 2182 | G | 2.840 | 950 | 1.890 | 100 |
| 94 | 22-3-1992 | 2190 | G. | 12.640 | 4.790 | 7.850 | 200 |
| 95 | 22-3-1992 | 2392 | G | 9.420 | 3.560 | 5.860 | 100 |
| 96 | 22-3-1992 | 2392 | G | 6.380 | 2.900 | 3.480 | 100 |
| 97 | 22-3-1992 | 2597 | G | 7.530 | 3.770 | 3,760 | 100 |
| 98 | 22-3-1992 | 2597 | G | 11.670 | 3.540 | 8.130 | 120 |
| 99 | 22-3-1992 | 2932 | Н | 1.500 | 740 | 760 | 100 |
| 100 | 22-3-1992 | 2932 | Н | 1.080 | 830 | 250 | . 100 |
| 101 | 22-3-1992 | 9603 CF | C | 4.970 | 3.250 | 1.720 | 100 |
| 102 | 22-3-1992 | 9605 CF | F | 4.440 | 2.810 | 1.630 | 100 |
| 103 | 22-3-1992 | 9605 CF | F | 3.890 | 2.780 | 1.110 | 100 |
| 104 | 22-3-1992 | 9606 CF | F | 4.390 | 2.900 | 1.490 | 100 |
| 105 | 22-3-1992 | 9606 CF | F | 4.370 | 2.370 | 2.000 | 100 |
| 106 | 22-3-1992 | 9606 CF | F | 4.710 | 2.600 | 2.110 | 100 |
| 107 | 22-3-1992 | 9609 CB | F | 4.830 | 2.360 | 2.470 | 100 |
| 108 | 22-3-1992 | 9609 CB | ۶ | 4.710 | 2.520 | 2.190 | 100 |
| 109 | 22-3-1992 | 9609 CB | F | 4.010 | 2.610 | 1.400 | 100 |
| 110 | 22-3-1992 | 9611 CB | F | 4.290 | 2.500 | 1.790 | 100 |
| 111 | 22-3-1992 | 9611 CB | <u> </u> | 4.930 | 2.930 | 2.000 | 100 |

Type of Survey

Vehicle Weight

Location Measured

Kenjeran & Lakarsantri

Season

| No | Date | Vehicle No. | Туре | Vehic | le Weight | (kg) | Loading |
|-----|-----------|-------------|------|--------|-----------|-------|----------|
| | | | 7. | Loaded | Empty | Net | Rate (%) |
| 112 | 22-3-1992 | 9626 CE | С | 5.280 | 3.300 | 1.980 | 100 |
| 113 | 22-3-1992 | 9626 CE | С | 5.110 | 3.320 | 1.790 | 100 |
| 114 | 22-3-1992 | 9626 CE | С | 4,980 | 2.730 | 2.250 | 100 |
| 115 | 22-3-1992 | 9626 CE | С | 4.610 | 1.590 | 3.020 | 100 |
| 116 | 22-3-1992 | 9630 CF | С | 4.390 | 2.910 | 1.480 | 100 |
| 117 | 22-3-1992 | 9630 CF | С | 4.950 | 3.190 | 1.760 | 100 |
| 118 | 22-3-1992 | 9630 CE | В | 9.720 | 5.240 | 4.480 | 100 |
| 119 | 22-3-1992 | 9630 CF | С | 4.110 | 3.420 | 690 | 90 |
| 120 | 22-3-1992 | 9631 CF | С | 5.070 | 3.130 | 1.940 | 100 |
| 121 | 22-3-1992 | 9649 CB | C. | 5.090 | 3.080 | 2.010 | 100 |
| 122 | 22-3-1992 | 9649 CB | С | 4.860 | 2.920 | 1.940 | 100 |
| 123 | 22-3-1992 | 9653 CG | С | 5.560 | 3.430 | 2.130 | 100 |
| 124 | 22-3-1992 | 9653 CG | C | 5.190 | 3.090 | 2.100 | 100 |
| 125 | 22-3-1992 | 9654 CG | С | 4.150 | 3.040 | 1,110 | 100 |
| 126 | 22-3-1992 | 9654 CG | С | 3.650 | 2.860 | 790 | 100 |
| 127 | 22-3-1992 | 9654 CG | С | 3.880 | 3.320 | 560 | 90 |
| 128 | 22-3-1992 | 9654 CG | С | 5.210 | 3.490 | 1.720 | 100 |
| 129 | 22-3-1992 | 9654 CG | С | 5.390 | 3.410 | 1.980 | 90 |
| 130 | 22-3-1992 | 9654 CG | C | 5,990 | 3.880 | 2.110 | 100 |
| 131 | 22-3-1992 | 9655 CG | С | 4.460 | 3.120 | 1.340 | 90 |
| 132 | 22-3-1992 | 9655 CG | С | 3.980 | 3.150 | 830 | 50 |
| 133 | 22-3-1992 | 9655 CG | С | 4.970 | 2.860 | 2.110 | 100 |
| 134 | 22-3-1992 | 9657 CG | C | 5.090 | 3.270 | 1.820 | 100 |
| 135 | 22-3-1992 | 9657 CG | С | 5.260 | 3.390 | 1.870 | . 100 |
| 136 | 22-3-1992 | 9660 CE | Α | 8.100 | 4.810 | 3.290 | 100 |
| 137 | 22-3-1992 | 9660 CE | Α | 9.760 | 5.280 | 4.480 | 100 |
| 138 | 22-3-1992 | 9661 CE | Α | 9.680 | 5.220 | 4.460 | 100 |
| 139 | 22-3-1992 | 9665 | - | 4.470 | 2.880 | 1.590 | 100 |
| 140 | 22-3-1992 | 9669 CG | С | 5.290 | 3.140 | 2.150 | 100 |
| 141 | 22-3-1992 | 9670 CG | С | 4.880 | 1.420 | 3,460 | 100 |
| 142 | 22-3-1992 | 9670 CG | С | 4.950 | 2.870 | 2.080 | 100 |
| 143 | 22-3-1992 | 9671 CG | C | 4.600 | 3.020 | 1.580 | . 100 |
| 144 | 22-3-1992 | 9671 CG | С | 5.350 | 3.020 | 2.330 | 100 |
| 145 | 22-3-1992 | 9676 CF | В | 9,820 | 6.150 | 3.670 | 100 |
| 146 | 22-3-1992 | 9676 CG | C | 4.880 | 3.760 | 1.120 | 100 |
| 147 | 22-3-1992 | 9676 CG | С | 5.360 | 3,550 | 1.810 | 100 |
| 148 | 22-3-1992 | 9676 CF | В | 9.160 | 6.310 | 2.850 | 100 |

Type of Survey

Vehicle Weight

Location Measured

Kenjeran & Lakarsantri

Season

| No | Date Vehicle No. Type Veh | | | Vehic | cle Weight (kg) | | Loading |
|-----|---------------------------------|---------|---|--------|-------------------|-------|----------|
| | <u></u> | | | Loaded | Empty | Net | Rate (%) |
| 149 | 22-3-1992 | 9677 CF | В | 9.680 | 6.340 | 3.340 | 100 |
| 150 | 22-3-1992 | 9677 CF | В | 7.540 | 5.430 | 2.110 | 100 |
| 151 | 22-3-1992 | 9677 CF | В | 9.260 | 3.590 | 5.670 | 100 |
| 152 | 22-3-1992 | 9678 CF | В | 8.770 | 6.050 | 2.720 | 100 |
| 153 | 22-3-1992 | 9678 CF | В | 6.790 | 2.120 | 4.670 | 100 |
| 154 | 22-3-1992 | 9682 CF | В | 7.470 | 5.110 | 2.360 | 100 |
| 155 | 22-3-1992 | 9682 CF | В | 7.260 | 5.980 | 1.280 | 100 |
| 156 | 22-3-1992 | 9683 CF | D | 10.020 | 6.710 | 3.310 | 100 |
| 157 | 22-3-1992 | 9683 CG | В | 9.460 | 5.850 | 3.610 | 100 |
| 158 | 22-3-1992 | 9686 CG | С | 4.630 | 2.850 | 1.780 | 100 |
| 159 | 22-3-1992 | 9686 CG | С | 4.360 | 3.330 | 1.030 | 100 |
| 160 | 22-3-1992 | 9687 CG | С | 4.800 | 2.830 | 1.970 | 100 |
| 161 | 22-3-1992 | 9691 CG | В | 9.390 | 4.880 | 4.510 | 100 |
| 162 | 22-3-1992 | 9691 CG | В | 9.960 | 6.320 | 3.640 | 100 |
| 163 | 22-3-1992 | 9692 CG | В | 8.520 | 5.810 | 2.710 | 100 |
| 164 | 22-3-1992 | 9695 CG | 8 | 9.630 | 5.960 | 3.670 | 100 |
| 165 | 22-3-1992 | 9695 CG | В | 8.960 | 5.210 | 3,750 | 100 |
| 166 | 22-3 -1992 | 9697 CG | С | 5.460 | 3.300 | 2.160 | 100 |
| 167 | 23-3-1992 | 2008 | G | 10.700 | 1.340 | 9.360 | 150 |
| 168 | 23-3-1992 | 2182 | G | 2.210 | 1.760 | 450 | 50 |
| 169 | 23-3-1992 | 2332 | G | 10.980 | 4.140 | 6.840 | 200 |
| 170 | 23-3-1992 | 2392 | G | 5.970 | 3.000 | 2.970 | 100 |
| 171 | 23-3-1992 | 2395 | H | 2.970 | 2.440 | 530 | 50 |
| 172 | 23-3-1992 | 2433 . | G | 8.180 | 3.340 | 4.840 | 120 |
| 173 | 23-3-1992 | 2597 | G | 9.190 | 3.590 | 5.600 | 120 |
| 174 | 23-3-1992 | 2690 | G | 7.660 | 3.880 | 3.780 | 100 |
| 175 | 23-3-1992 | 2917 | Н | 1.890 | 1.630 | 260 | 100 |
| 176 | 23-3-1992 | 9603 CF | С | 3,990 | 2.710 | 1.280 | 100 |
| 177 | 23-3-1992 | 9603 CF | C | 4.320 | 3.050 | 1.270 | 100 |
| 178 | 23-3-1992 | 9603 CF | C | 4.690 | 3.670 | 1.020 | 100 |
| 179 | 23-3-1992 | 9603 CF | C | 4.360 | 3,080 | 1.280 | 100 |
| 180 | 23-3-1992 | 9605 CF | F | 4.740 | 2.640 | 2.100 | 100 |
| 181 | 23-3-1992 | 9605 CF | F | 4.680 | 1.110 | 3.570 | 100 |
| 182 | 23-3-1992 | 9606 CF | F | 5.860 | 2.530 | 3.330 | 100 |
| 183 | 23-3-1992 | 9606 CF | F | 4.340 | 2,950 | 1.390 | 100 |
| 184 | 23-3-1992 | 9609 CB | F | 5.140 | 2.270 | 2.870 | 100 |
| 185 | 23-3-1992 | 9626 CE | C | 4,230 | 2,590 | 1,640 | 100 |