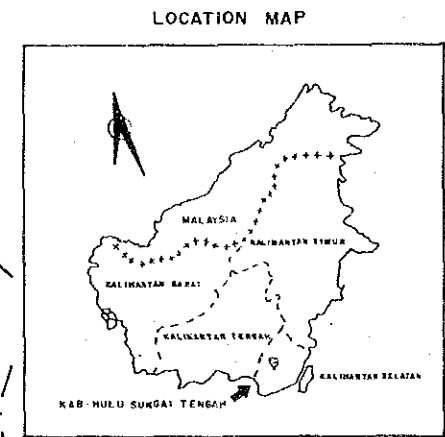
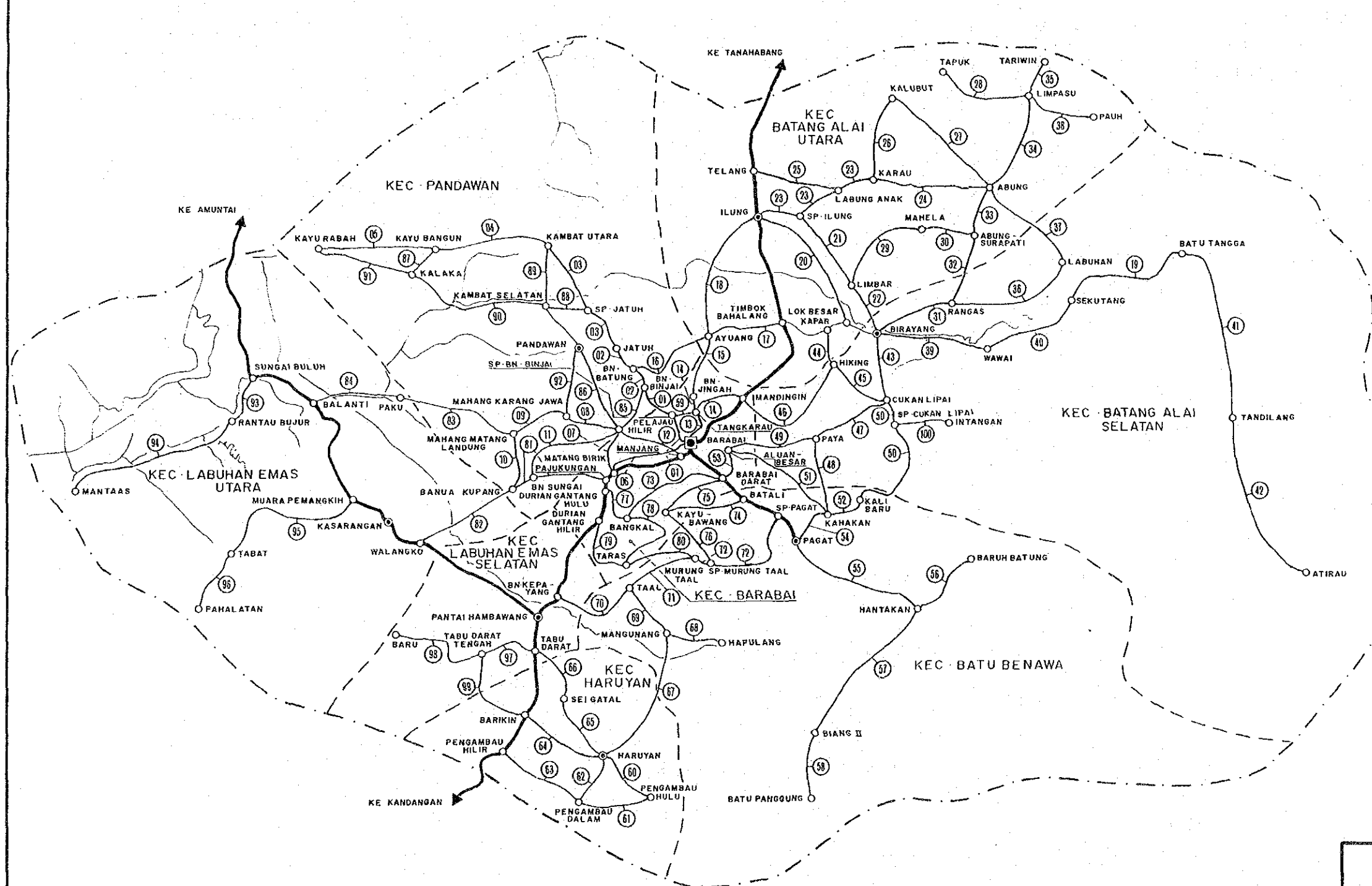


KAB · HULU SUNGAI TENGAH



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- VILLAGE ROAD
- RIVER

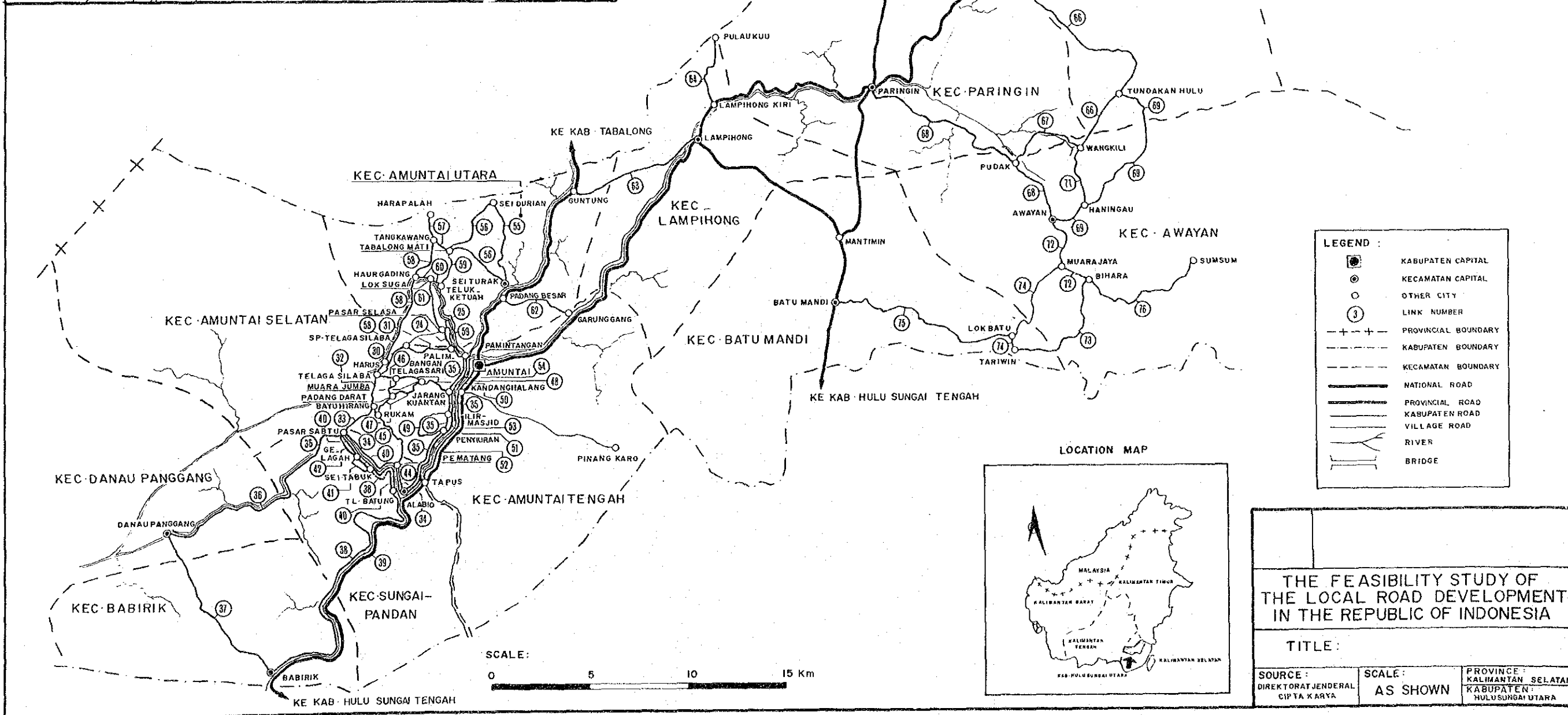
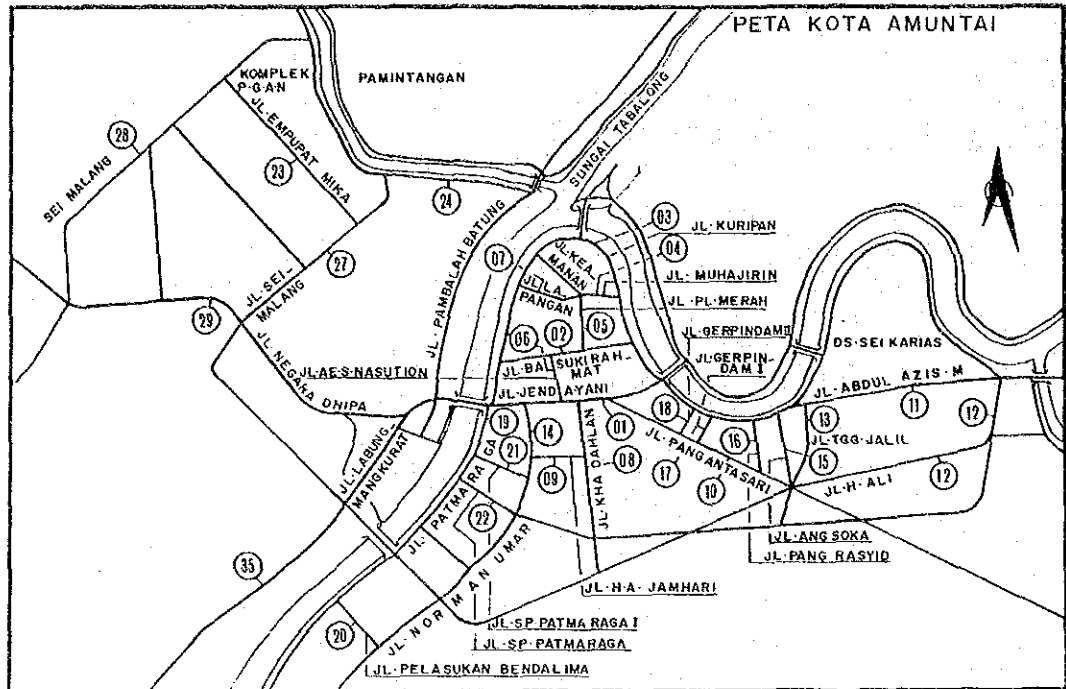


THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA

TITLE :

| | | |
|---|--------------------|---|
| SOURCE: DIREKTORAT JENDERAL CIPTA KARYA | SCALE: AS SHOWN | PROVINCE: KALIMANTAN SELATAN KABUPATEN: HULU SUNGAI TENGAH |
|---|--------------------|---|

KAB. HULU SUNGAI UTARA



LEGEND :

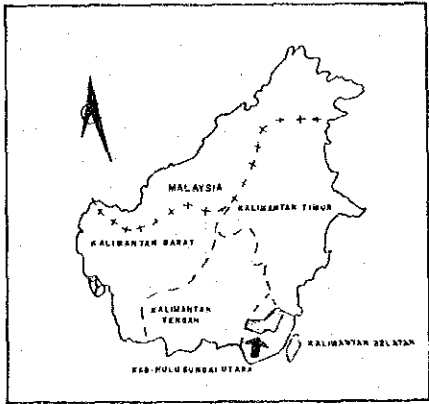
- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINSIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINSIAL ROAD
- KABUPATEN ROAD
- VILLAGE ROAD
- RIVER
- BRIDGE

TITLE :
 THE FEASIBILITY STUDY OF
 THE LOCAL ROAD DEVELOPMENT
 IN THE REPUBLIC OF INDONESIA

SOURCE : DIREKTORAT JENDERAL CIPTA KARYA

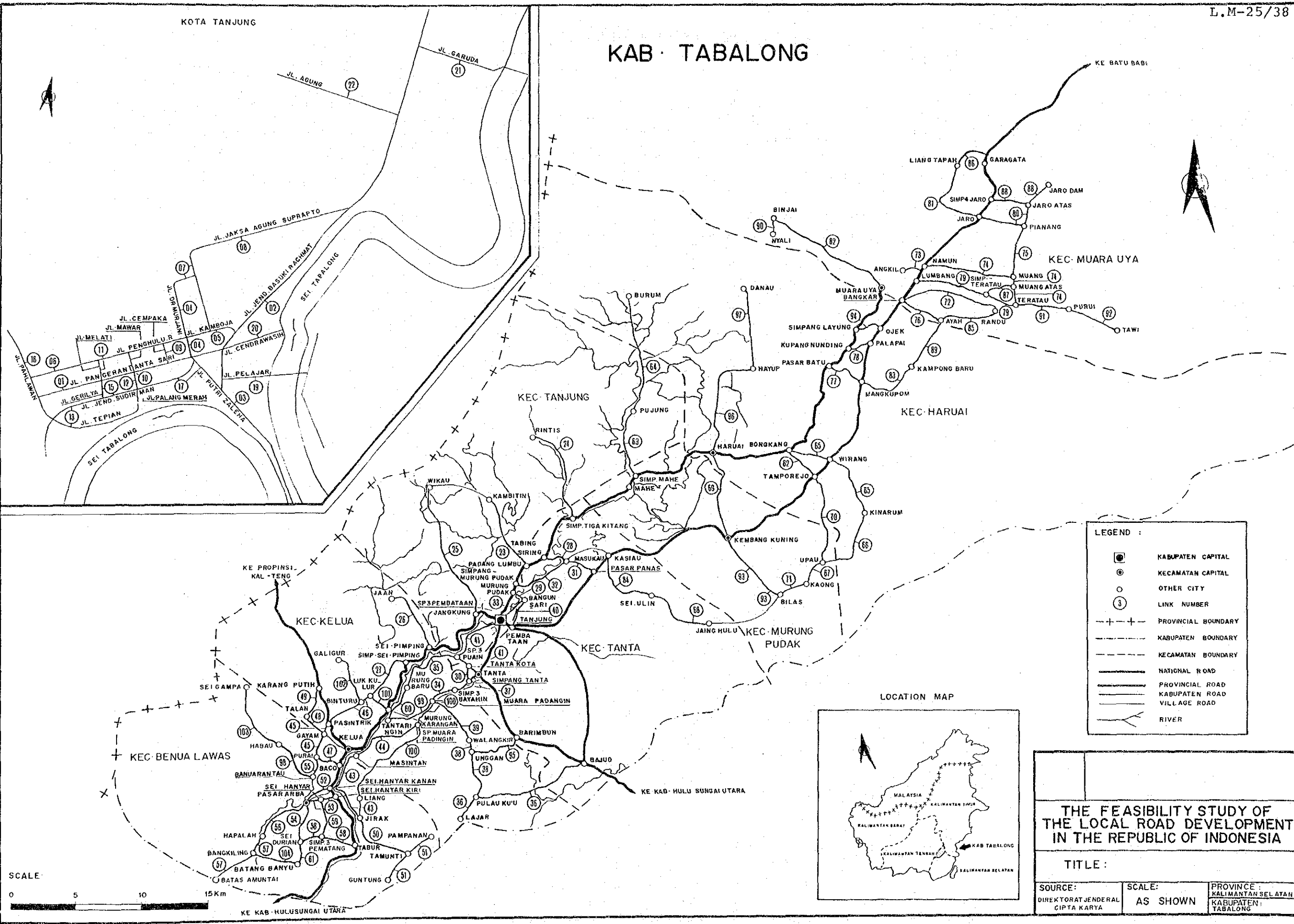
SCALE : AS SHOWN

PROVINCE : KALIMANTAN SELATAN
KABUPATEN : HULU SUNGAI UTARA



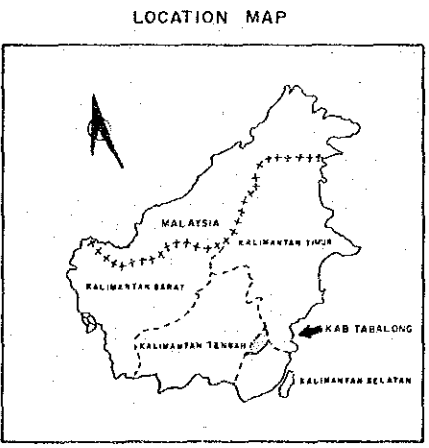
KAB. TABALONG

KOTA TANJUNG



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- ③ LINK NUMBER
- + -+ -+ PROVINCIAL BOUNDARY
- - - - - KABUPATEN BOUNDARY
- - - - - KECAMATAN BOUNDARY
- == NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- VILLAGE ROAD
- ~ RIVER

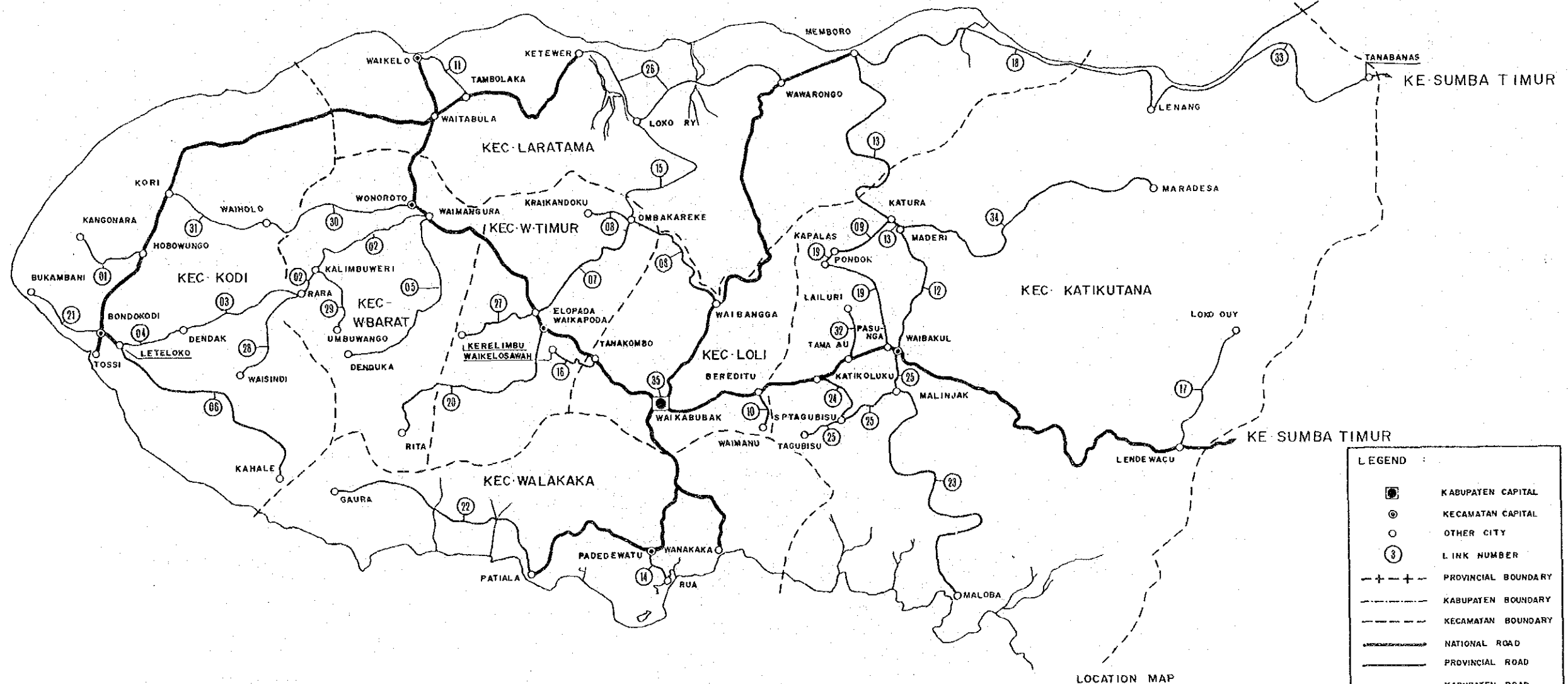


THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA

TITLE :

| | | |
|---|--------------------|---|
| SOURCE: DIREKTORAT JENDERAL CIPTA KARYA | SCALE: AS SHOWN | PROVINCE : KALIMANTAN SELATAN KABUPATEN : TABALONG |
|---|--------------------|---|

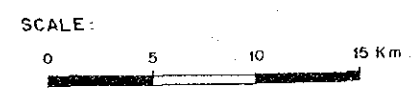
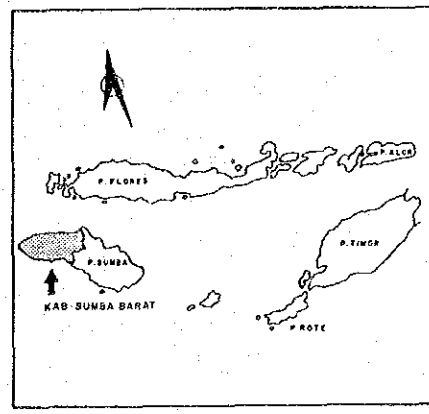
KAB. SUMBA BARAT



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- RIVER

LOCATION MAP

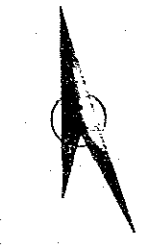
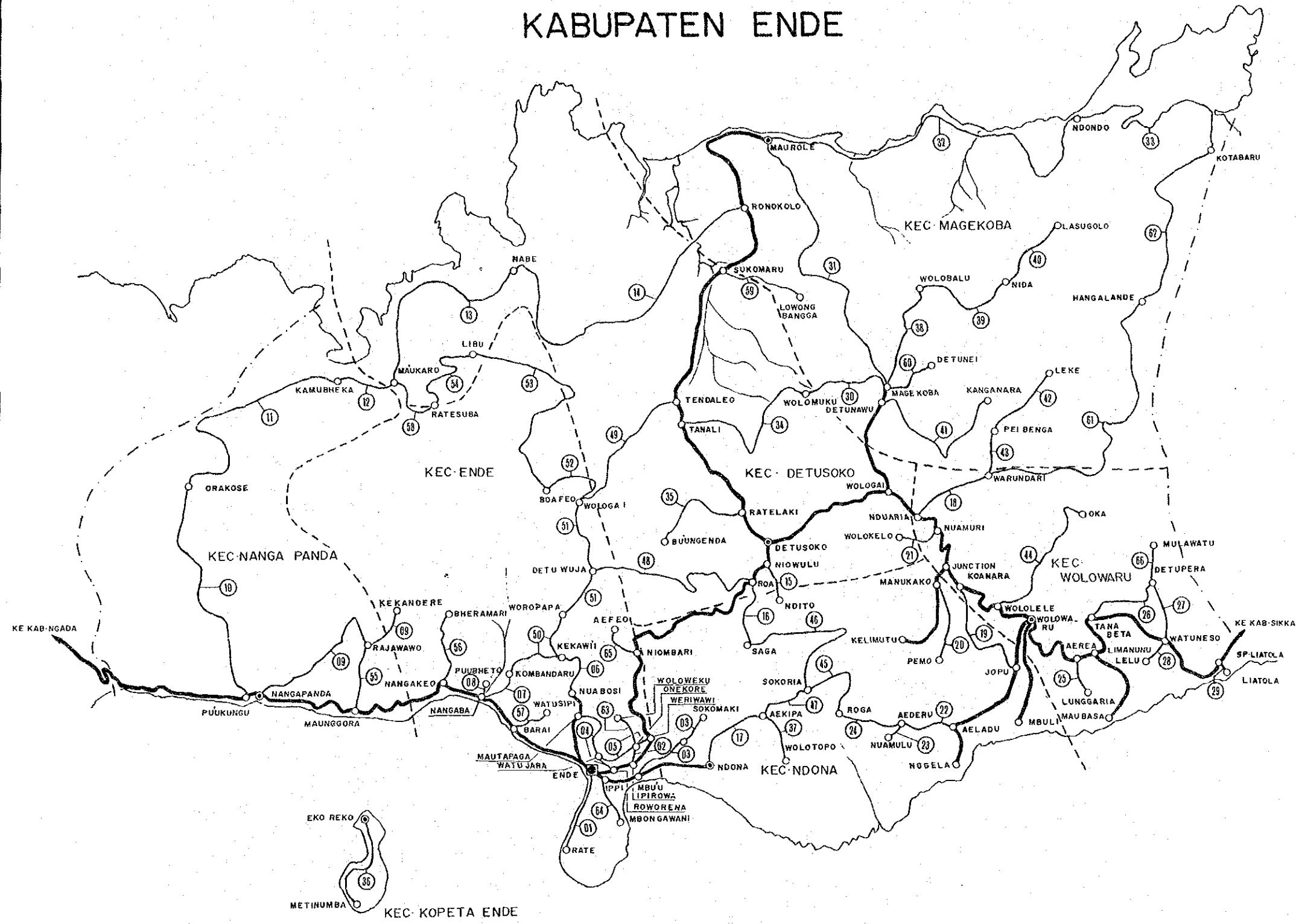


**THE FEASIBILITY STUDY OF
THE LOCAL ROAD DEVELOPMENT
IN THE REPUBLIC OF INDONESIA**

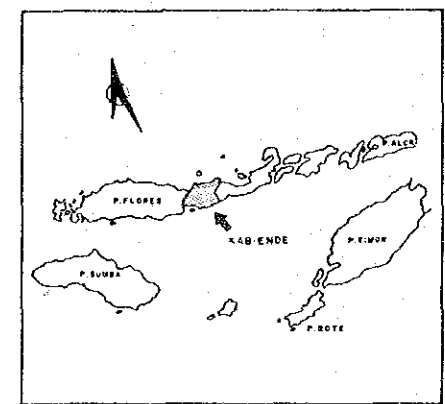
TITLE :

| | | |
|--|---------------------|--|
| SOURCE : DIREKTORAT JENDERAL CIPTA KARYA | SCALE : AS SHOWN | PROVINCE : NUSATENGGA TIMUR KABUPATEN : SUMBA BARAT |
|--|---------------------|--|

KABUPATEN ENDE

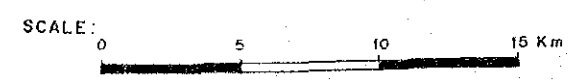


LOCATION MAP



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- RIVER



**THE FEASIBILITY STUDY OF
THE LOCAL ROAD DEVELOPMENT
IN THE REPUBLIC OF INDONESIA**

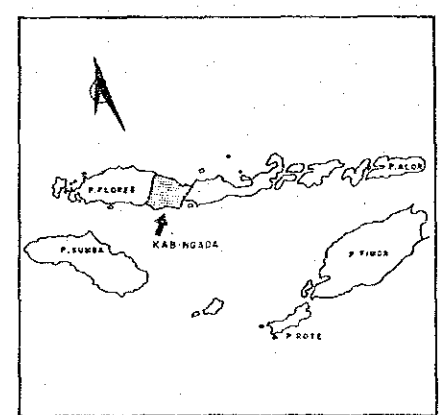
TITLE :

| | | |
|--|--------------------|---|
| SOURCE: DIREKTORAT JENDERAL CIPTA KARTAS | SCALE: AS SHOWN | PROVINCE: NUSATENGARA TIMUR KABUPAEN: ENDE |
|--|--------------------|---|

KAB. NGADA

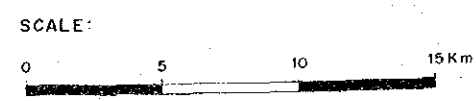


LOCATION MAP



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- VILLAGE ROAD
- RIVER

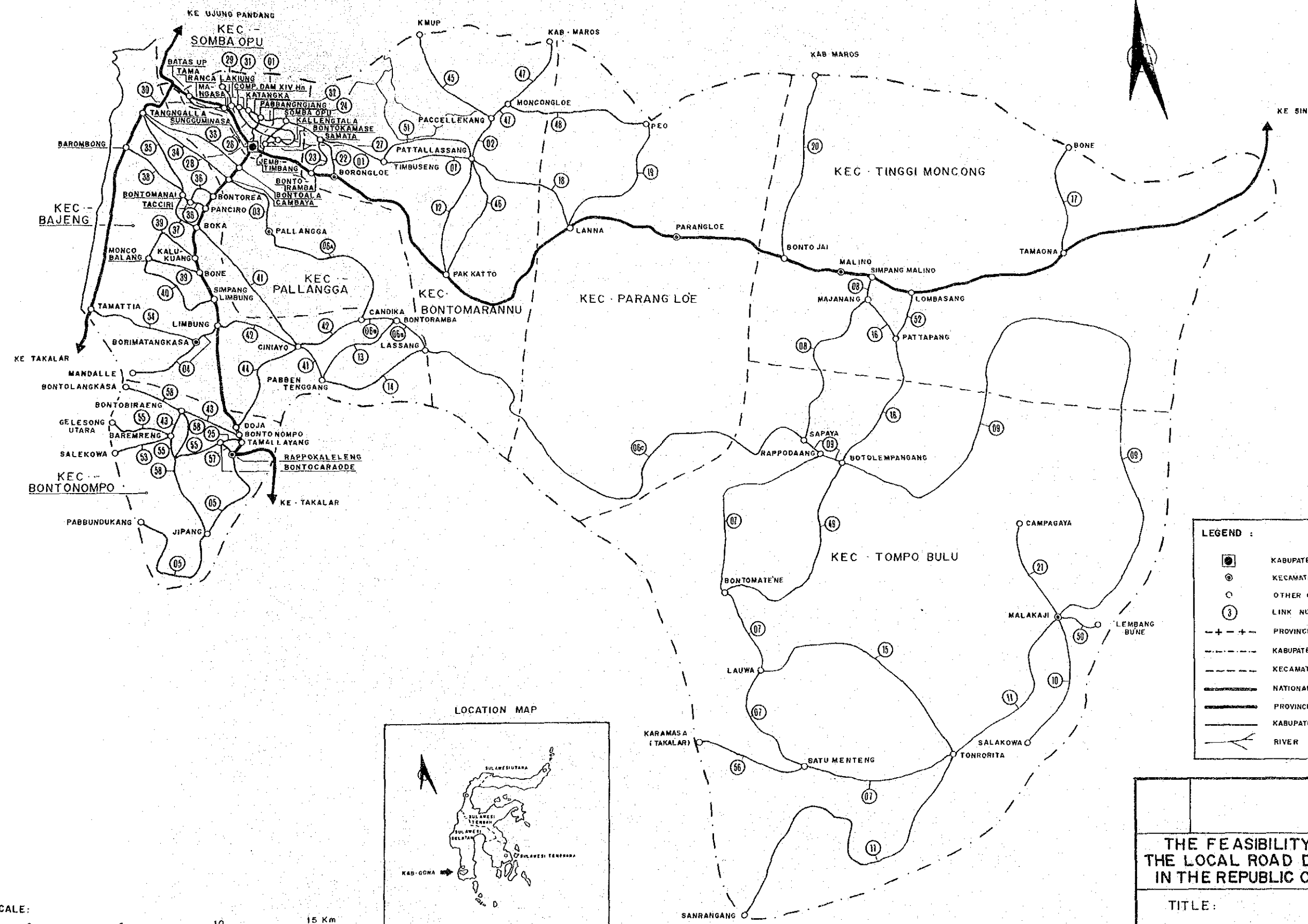


THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA

TITLE :

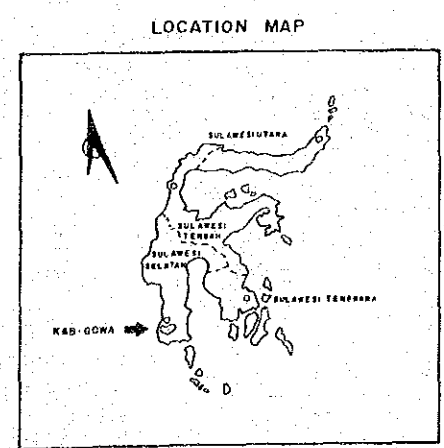
| | | |
|---|--------------------|--|
| SOURCE: DIREKTORAT JENDERAL CIPTA KARYA | SCALE: AS SHOWN | PROVINCE NUSATENGGARA TIMUR KABUPATEN : NGADA |
|---|--------------------|--|

KAB · GOWA



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- RIVER

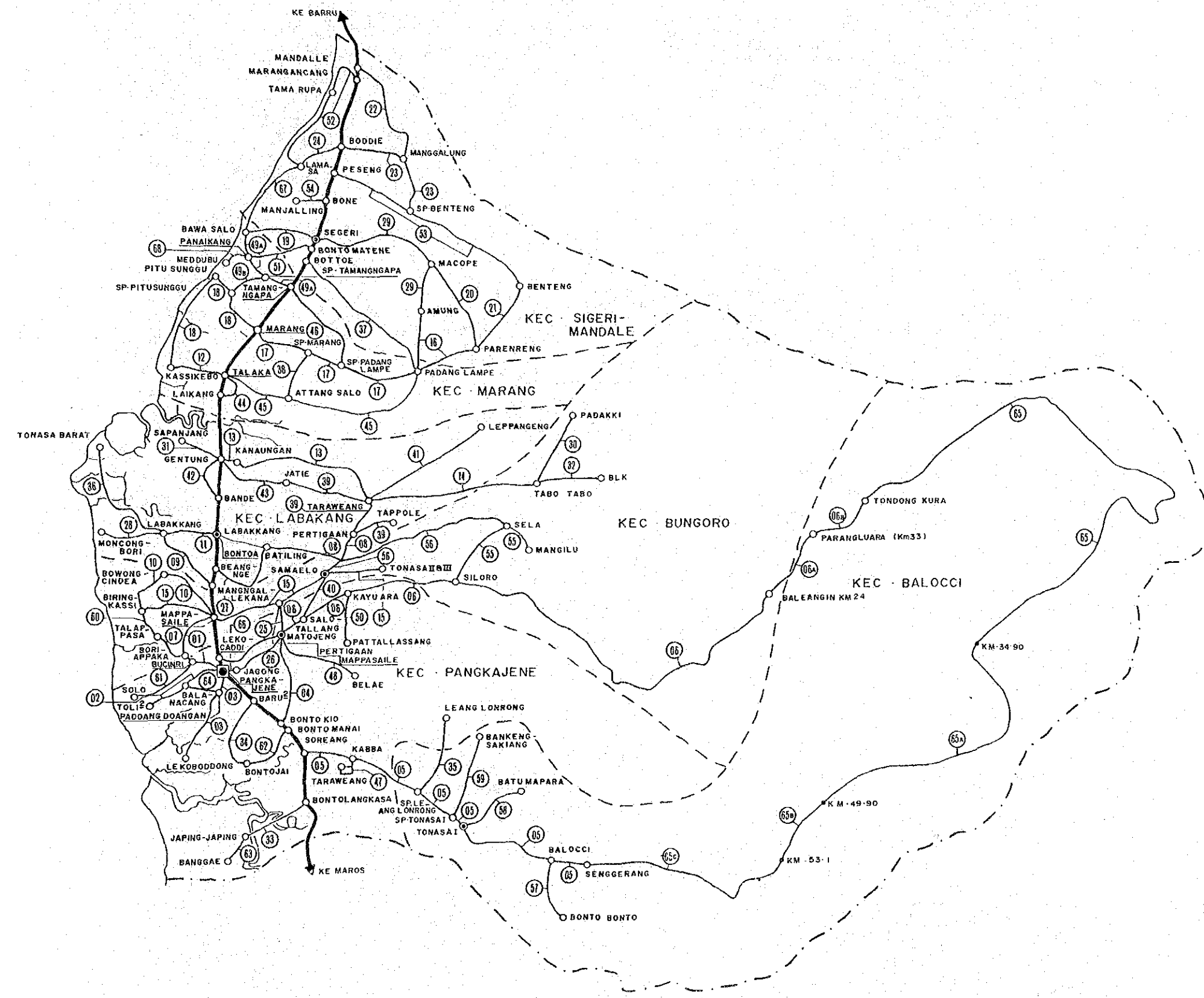


THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA

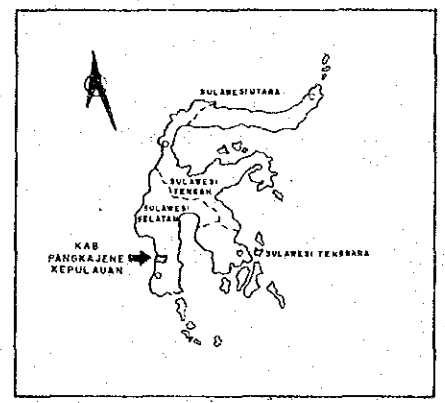
TITLE :

| | | |
|--|---------------------------|---|
| SOURCE: DIREKTORAT JENDERAL CIPTA KARYA | SCALE: AS SHOWN | PROVINCE: SULAWESI SELATAN KABUPATEN: GOWA |
|--|---------------------------|---|

KAB. PANGKAJENE KEPULAUAN



LOCATION MAP



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- RIVER



THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA

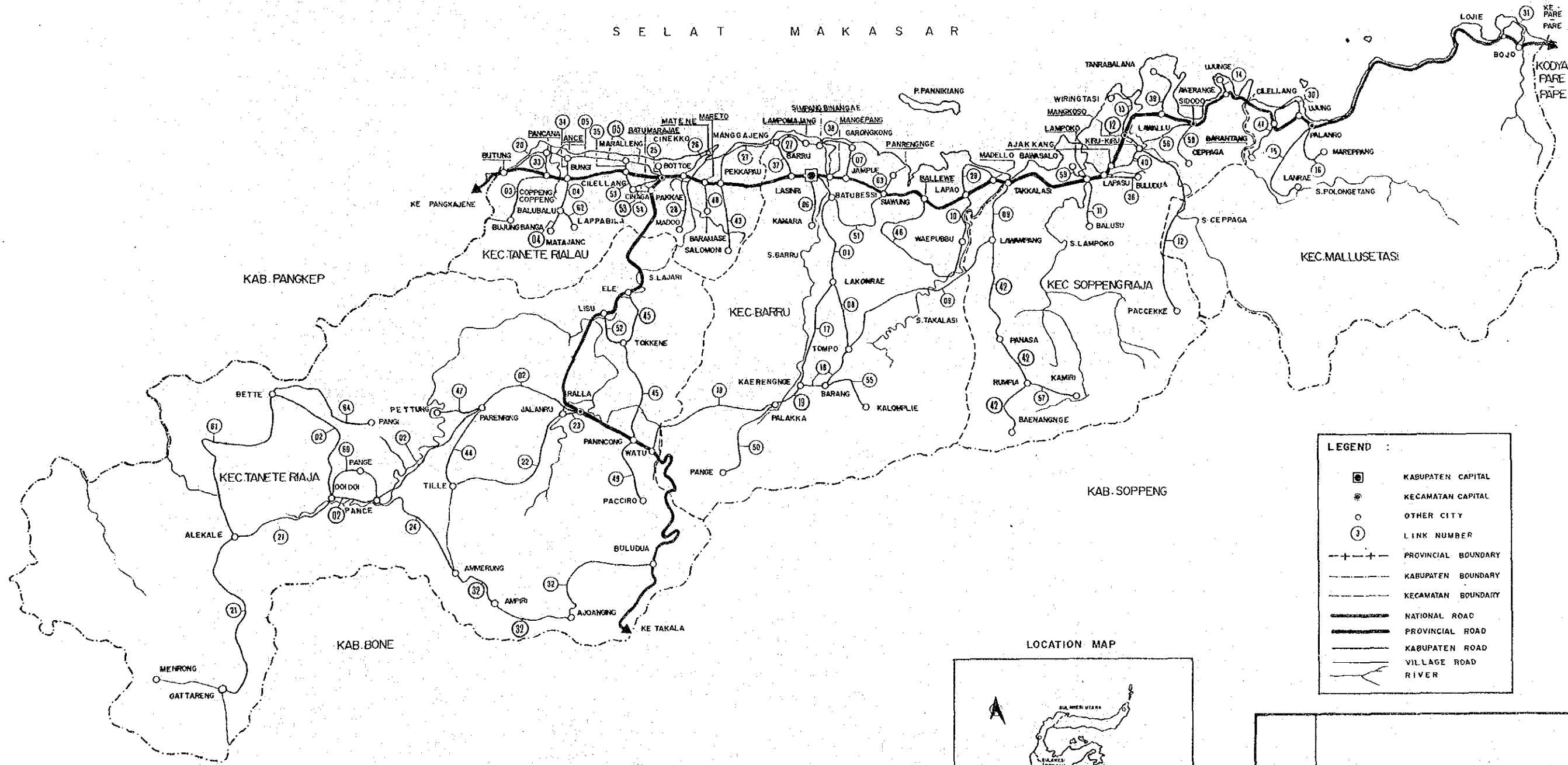
TITLE :

| | | |
|--|---------------------|---|
| SOURCE : DIREKTORAT JENDERAL CIPTA KARYA | SCALE : AS SHOWN | PROVINCE : SULAWESI SELATAN KABUPATEN PANGKAJENE KEPULAUAN |
|--|---------------------|---|

KAB. BARRU



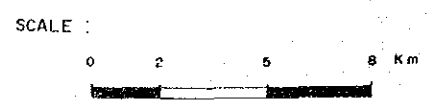
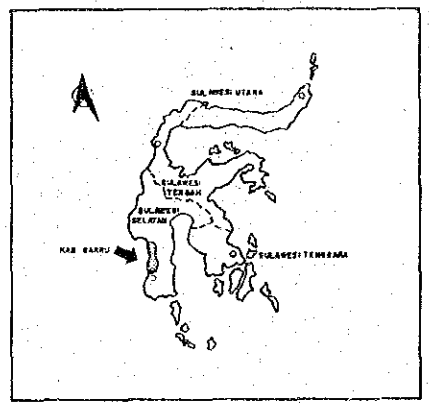
S E L A T M A K A S A R



LEGEND :

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- VILLAGE ROAD
- RIVER

LOCATION MAP

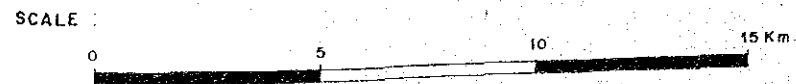
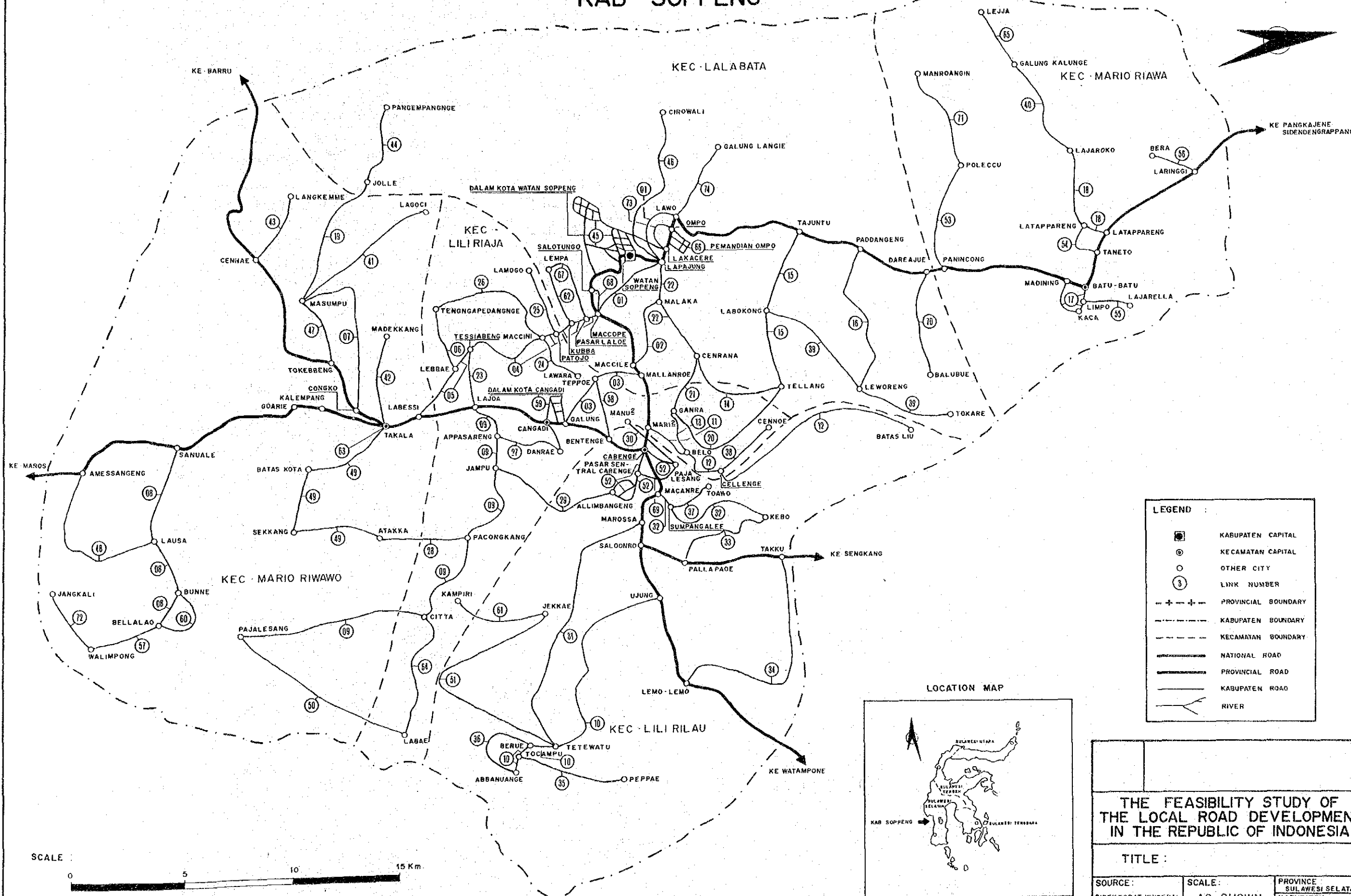


THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA

TITLE :

| | | |
|---|---------------------|--|
| SOURCE : DIREKTORAT JENDERAL AGRARIA | SCALE : AS SHOWN | PROVINCE : SULAWESI SELATAN KABUPATEN : BARRU |
|---|---------------------|--|

KAB · SOPPENG



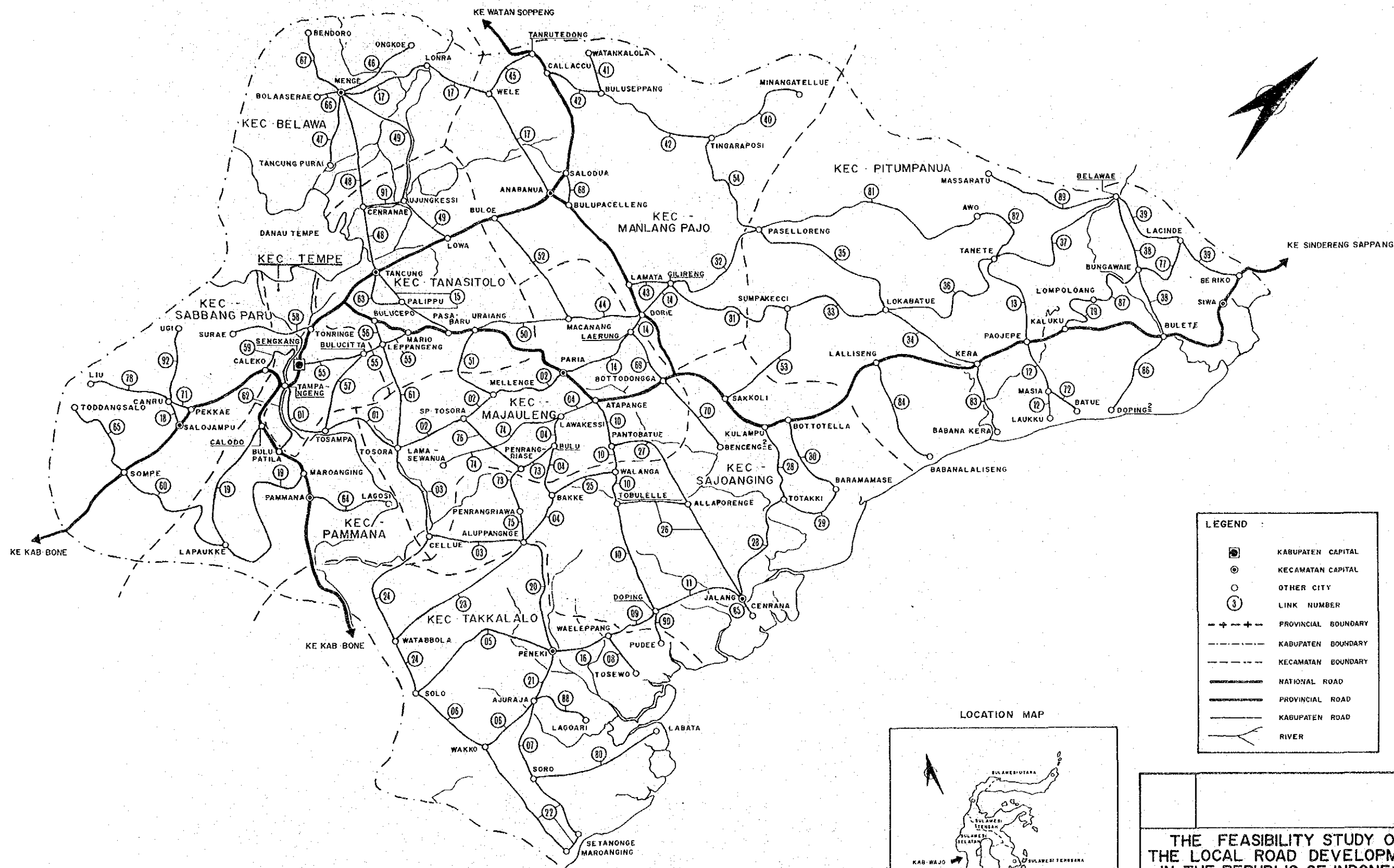
LEGEND

- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- RIVER

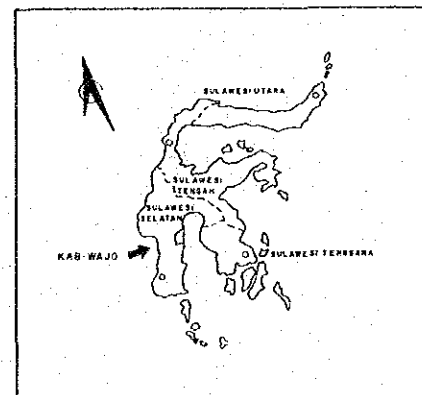


| | | |
|---|----------|------------------|
| THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA | | |
| TITLE : | | |
| SOURCE : | SCALE : | PROVINCE : |
| DIREKTORAT JENDERAL CIPTA KARYA | AS SHOWN | SULAWESI SELATAN |
| | | KABUPATEN : |
| | | SOPPENG |

KAB · WAJO



LOCATION MAP



LEGEND :

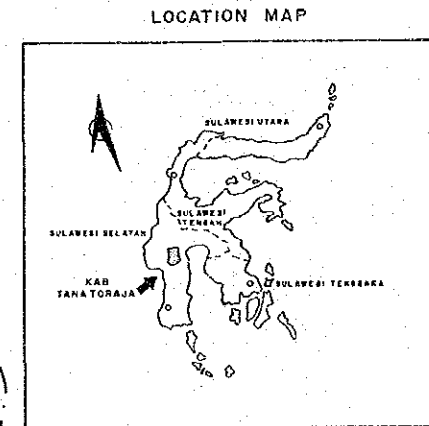
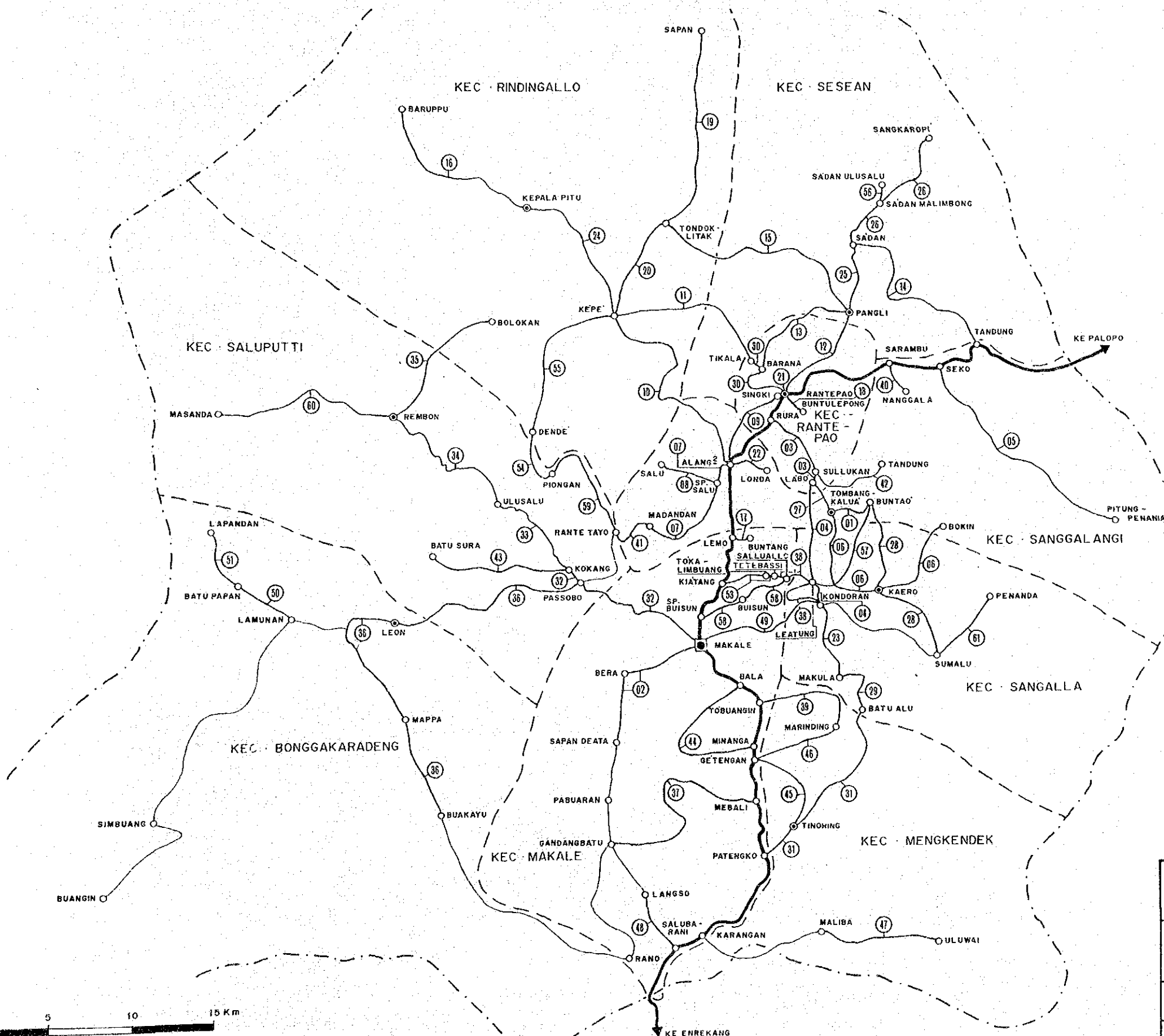
- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- RIVER

**THE FEASIBILITY STUDY OF
THE LOCAL ROAD DEVELOPMENT
IN THE REPUBLIC OF INDONESIA**

TITLE :

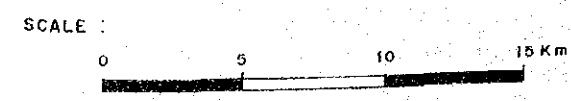
| | | |
|---|--------------------|---|
| SOURCE: DIREKTORAT JENDERAL CIPTA KARYA | SCALE: AS SHOWN | PROVINCE: SULAWESI SELATAN KABUPATEN: WAJO |
|---|--------------------|---|

KAB · TANA TORAJA



LEGEND

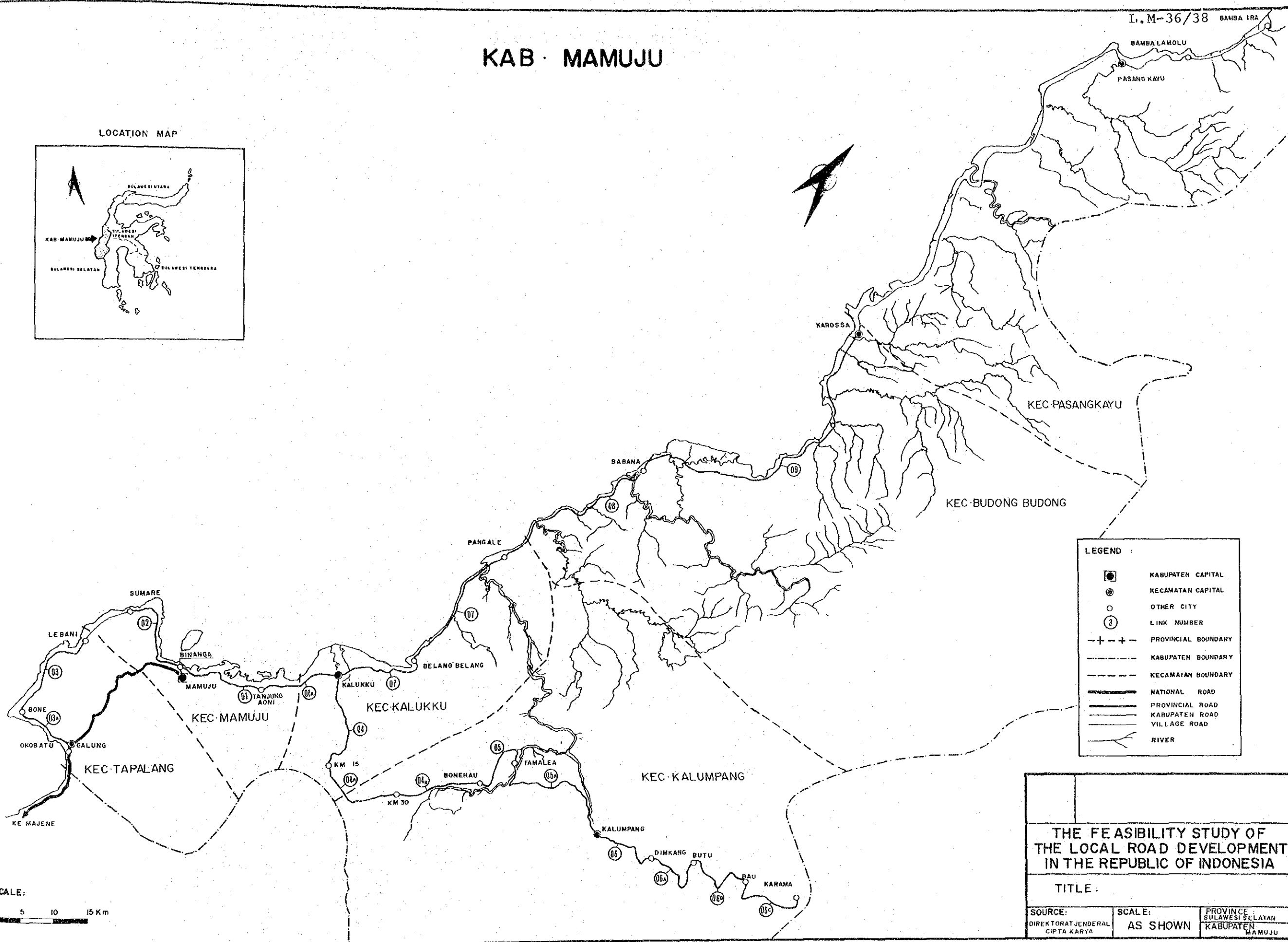
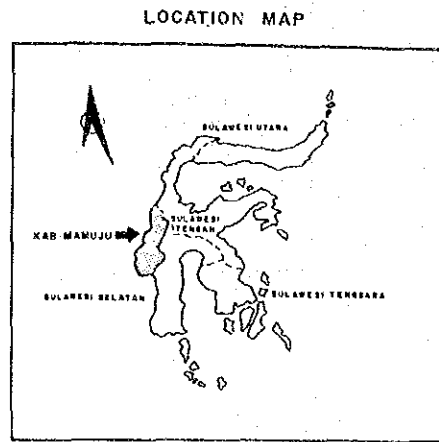
- KABUPATEN CAPITAL
- KECAMATAN CAPITAL
- OTHER CITY
- LINK NUMBER
- PROVINCIAL BOUNDARY
- KABUPATEN BOUNDARY
- KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCE ROAD
- KABUPATEN ROAD
- VILLAGE ROAD
- RIVER



| | | |
|---|----------|------------------|
| THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA | | |
| TITLE : | | |
| SOURCE : | SCALE : | PROVINCE : |
| DIREK TORAT JENDERAL CIPTA KARYA | AS SHOWN | SULAWESI SELATAN |
| | | KABUPATEN : |
| | | TANA TORAJA |

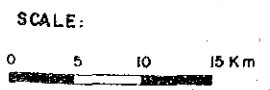
KAB · MAMUJU

I. M-36/38 BAMBALAMOLU



LEGEND :

- KABUPATEN CAPITAL
- ⊙ KECAMATAN CAPITAL
- OTHER CITY
- ③ LINK NUMBER
- + - + - PROVINCIAL BOUNDARY
- - - - - KABUPATEN BOUNDARY
- - - - - KECAMATAN BOUNDARY
- == NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- VILLAGE ROAD
- ~ RIVER

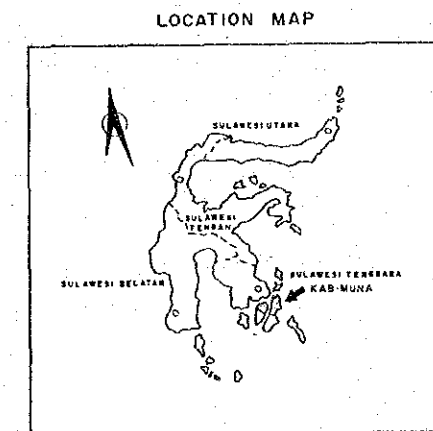
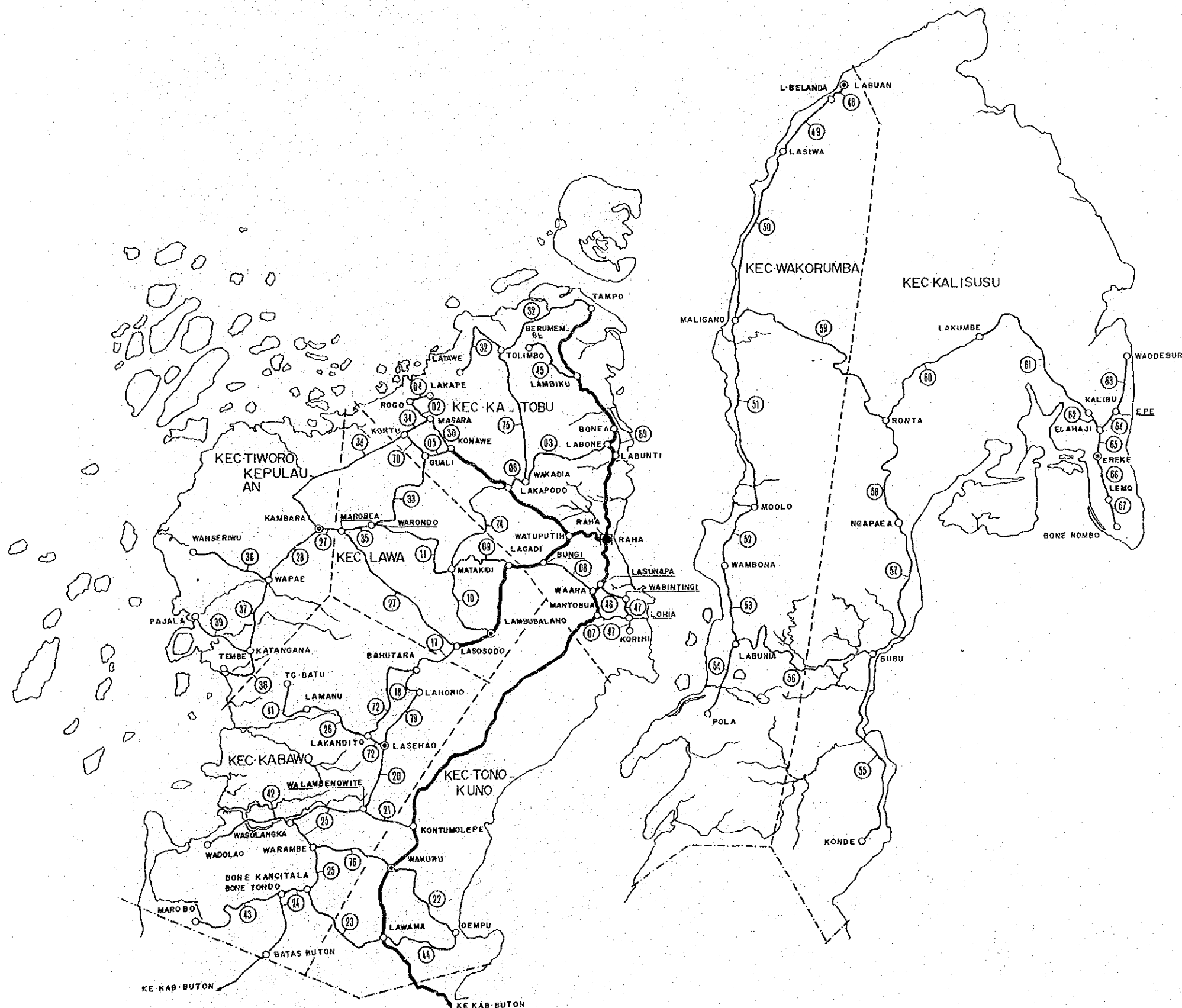


THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA

TITLE :

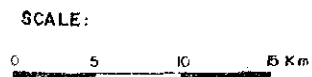
| | | |
|--|--------------------|---|
| SOURCE: DIREKTORAT JENDERAL CIPTA KARYA | SCALE: AS SHOWN | PROVINCE SULAWESI SELATAN KABUPATEN MAMUJU |
|--|--------------------|---|

KABUPATEN MUNA



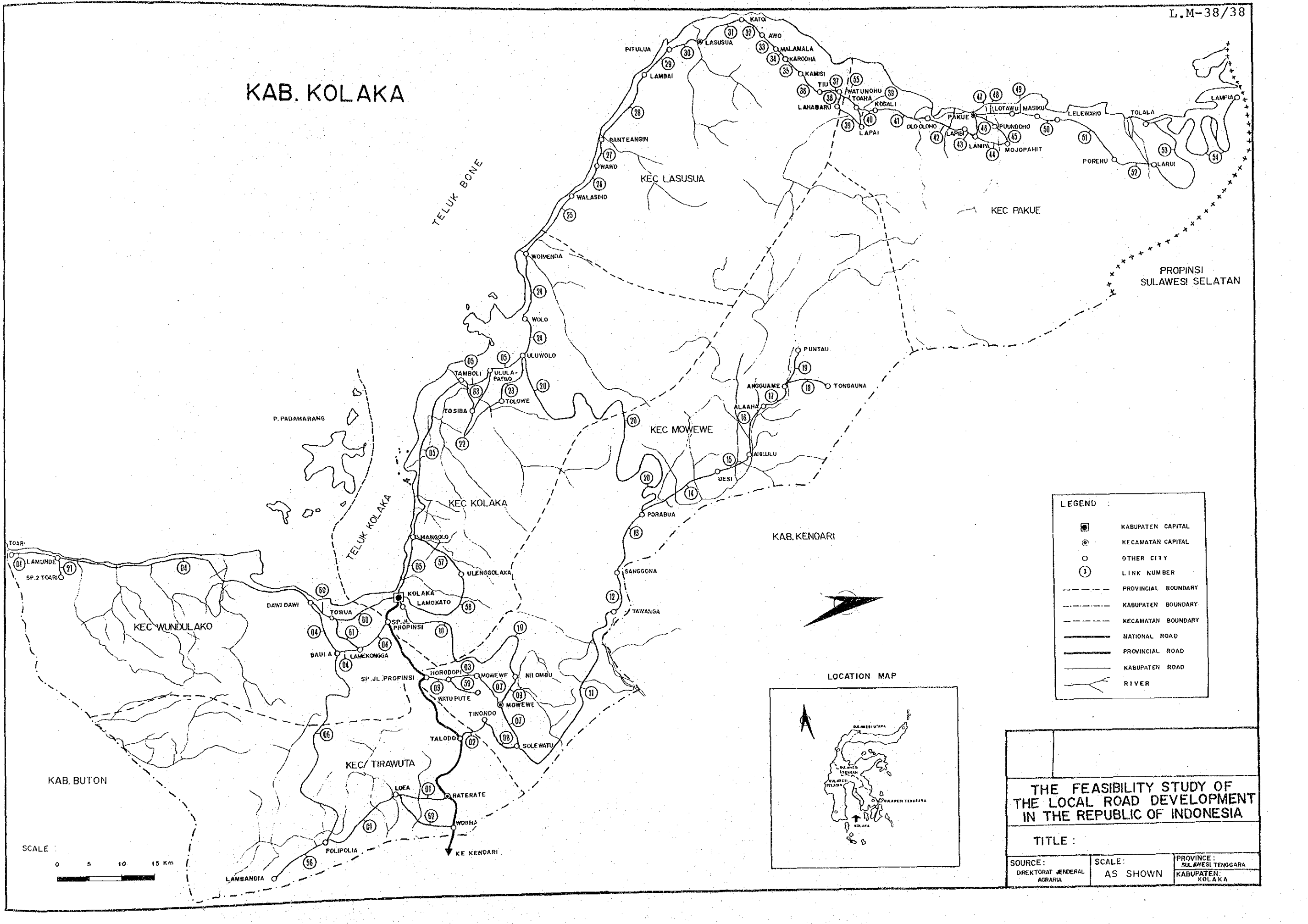
LEGEND :

| | |
|--|---------------------|
| | KABUPATEN CAPITAL |
| | KECAMATAN CAPITAL |
| | OTHER CITY |
| | LINK NUMBER |
| | PROVINCIAL BOUNDARY |
| | KABUPATEN BOUNDARY |
| | KECAMATAN BOUNDARY |
| | NATIONAL ROAD |
| | PROVINCIAL ROAD |
| | KABUPATEN ROAD |
| | RIVER |



| | | |
|---|--------------------|---|
| THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA | | |
| TITLE : | | |
| SOURCE: DIREKTORAT JENDERAL CIPTA KARYA | SCALE: AS SHOWN | PROVINCE: SULAWESI TENGGARA KABUPATEN: MUNA |

KAB. KOLAKA



P. PADAMARANG

TELUK KOLAKA

TELUK BONE

KEC LASUSUA

KEC PAKUE

PROPINSI SULAWESI SELATAN

KEC MOWEWE

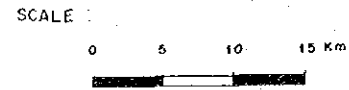
KEC KOLAKA

KAB. KENDARI

KEC WUNDULAKO

KEC TIRAWUTA

KAB. BUTON

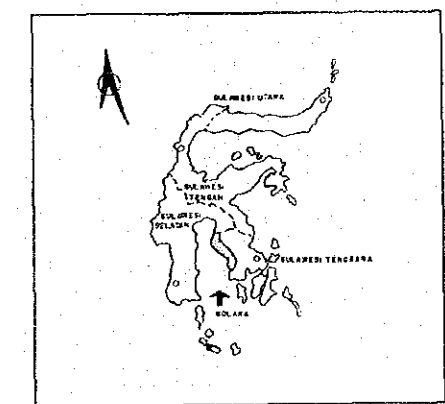


LEGEND

- KABUPATEN CAPITAL
- ⊙ KECAMATAN CAPITAL
- OTHER CITY
- ③ LINK NUMBER
- - - - - PROVINCIAL BOUNDARY
- - - - - KABUPATEN BOUNDARY
- - - - - KECAMATAN BOUNDARY
- NATIONAL ROAD
- PROVINCIAL ROAD
- KABUPATEN ROAD
- RIVER



LOCATION MAP

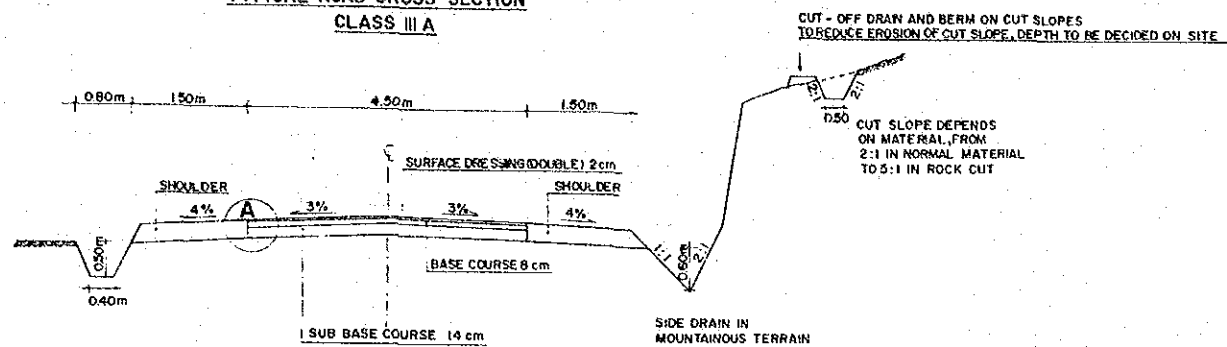


**THE FEASIBILITY STUDY OF
THE LOCAL ROAD DEVELOPMENT
IN THE REPUBLIC OF INDONESIA**

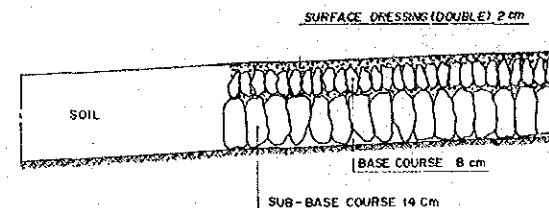
| | | |
|--|---------------------|--|
| TITLE : | | |
| SOURCE : DIREKTORAT JENDERAL AGRARIA | SCALE : AS SHOWN | PROVINCE : SULAWESI TENGGARA KABUPATEN : KOLAKA |

STANDARD DRAWINGS

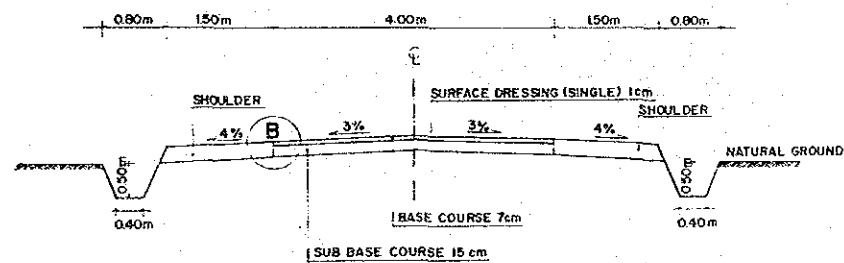
**TYPICAL ROAD CROSS SECTION
CLASS III A**



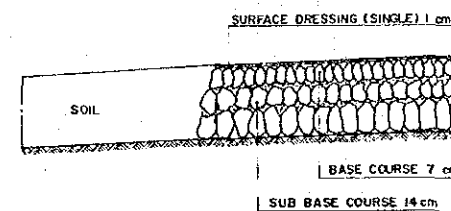
DETAIL A



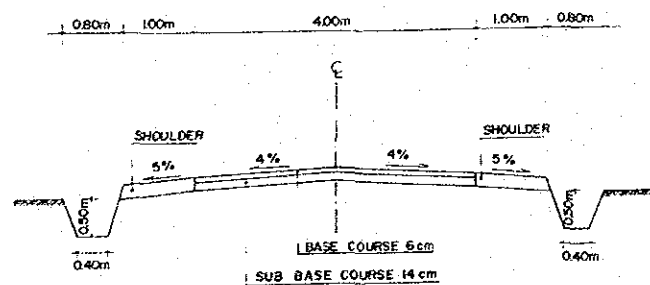
**TYPICAL ROAD CROSS SECTION
CLASS III B-1**



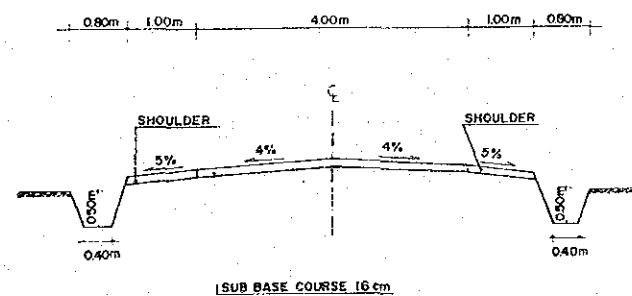
DETAIL B



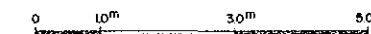
**TYPICAL ROAD CROSS SECTION
CLASS III B-2**



**TYPICAL ROAD CROSS SECTION
CLASS III C**



NOTE:
SCALE



THE FEASIBILITY STUDY OF
THE LOCAL ROAD DEVELOPMENT
IN THE REPUBLIC OF INDONESIA

TITLE : TYPICAL ROAD CROSS SECTION

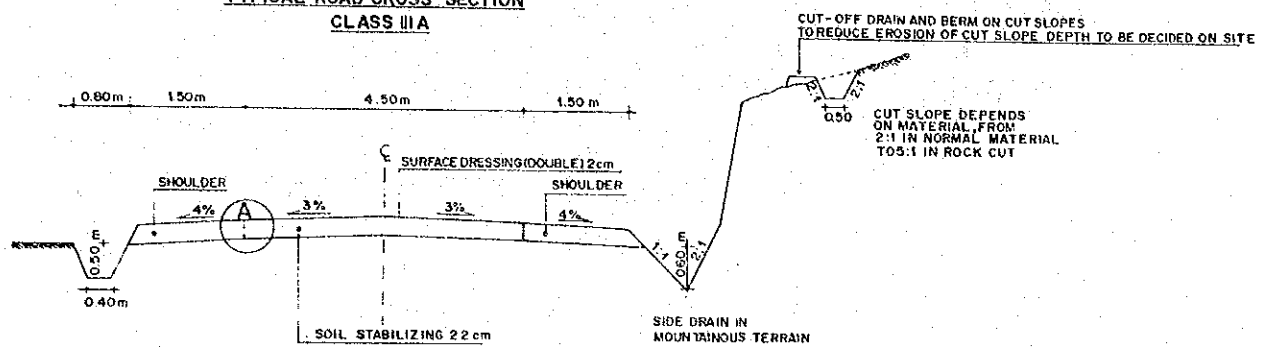
SOURCE :

SCALE :

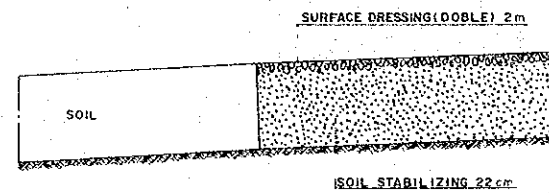
KABUPATEN

AS SHOWN

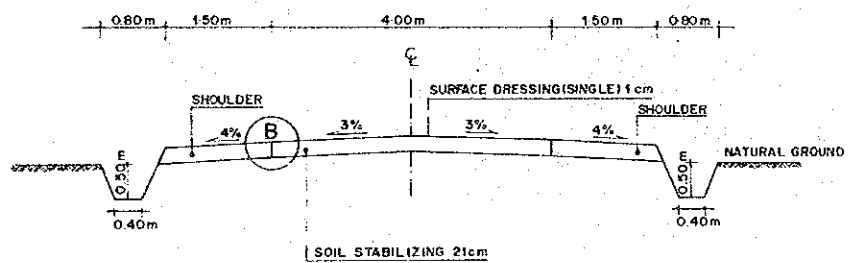
**TYPICAL ROAD CROSS SECTION
CLASS IIIA**



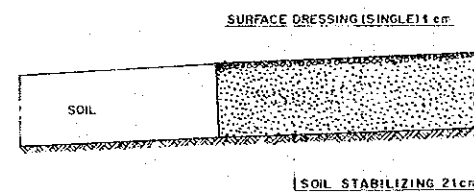
DETAIL A



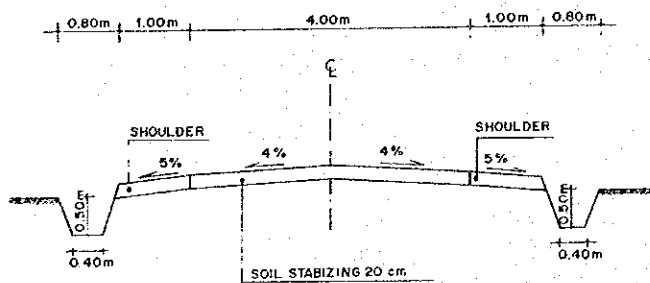
**TYPICAL ROAD CROSS SECTION
CLASS III B-1**



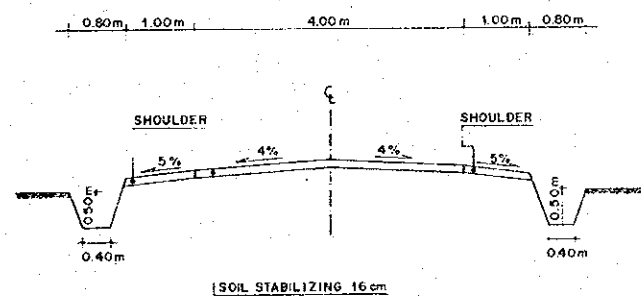
DETAIL B



**TYPICAL ROAD CROSS SECTION
CLASS III B-2**



**TYPICAL ROAD CROSS SECTION
CLASS III C**



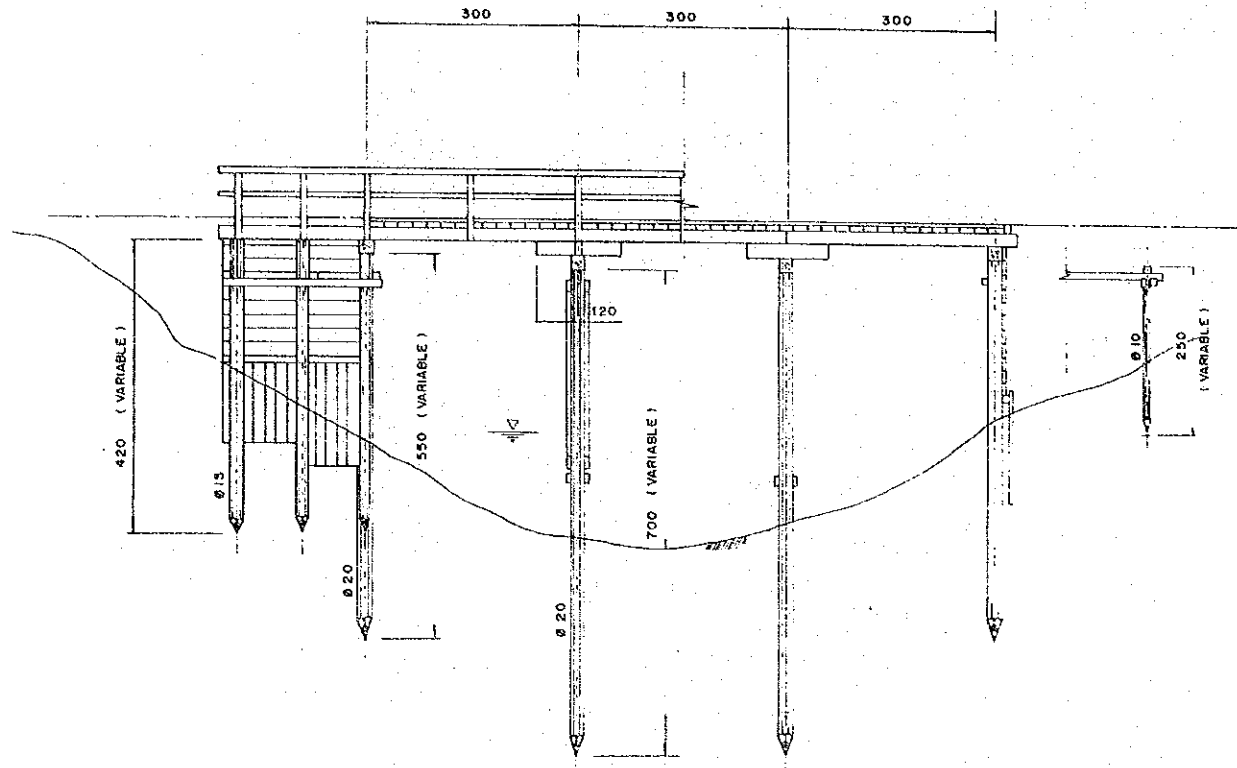
NOTE:
SCALE:



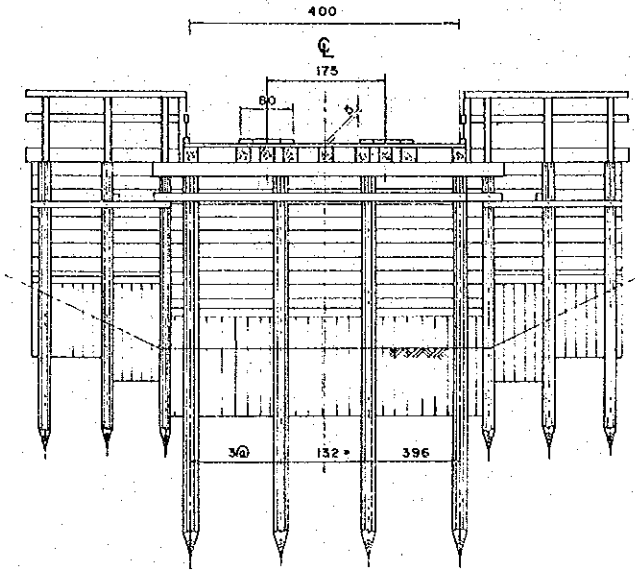
THE FEASIBILITY STUDY OF
THE LOCAL ROAD DEVELOPMENT
IN THE REPUBLIC OF INDONESIA

TITLE : TYPICAL ROAD CROSS SECTION

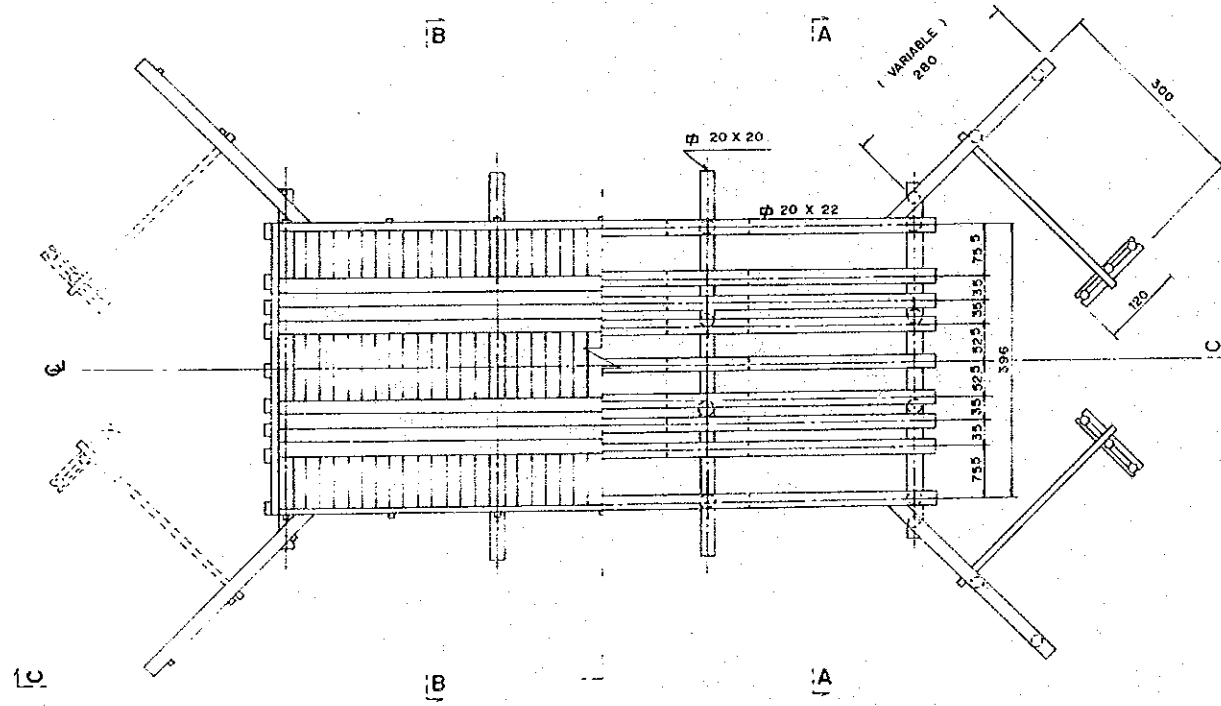
| | | |
|---------|--------------------|-------------|
| SOURCE: | SCALE: AS SHOWN | KABUPATEN : |
|---------|--------------------|-------------|



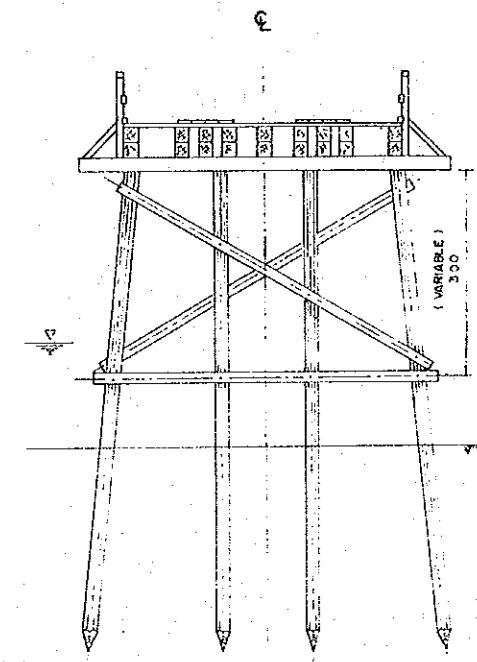
SECTION C - C



SECTION A - A



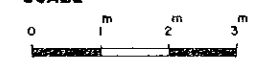
PLAN



SECTION B - B

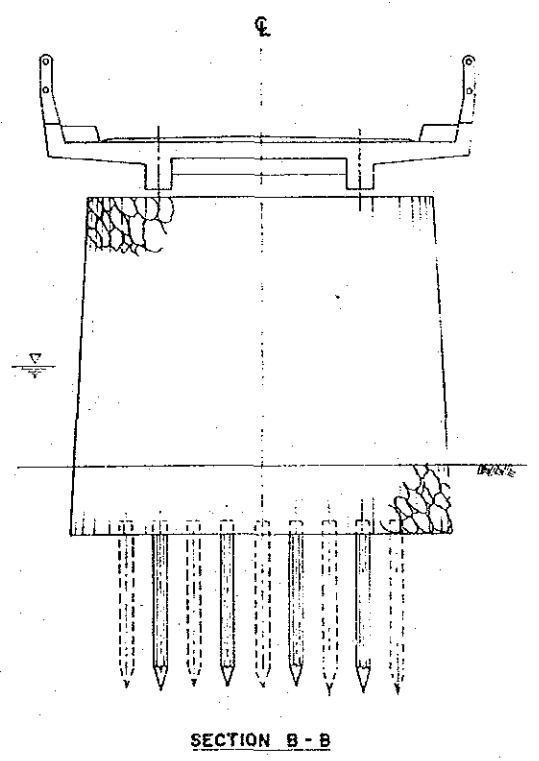
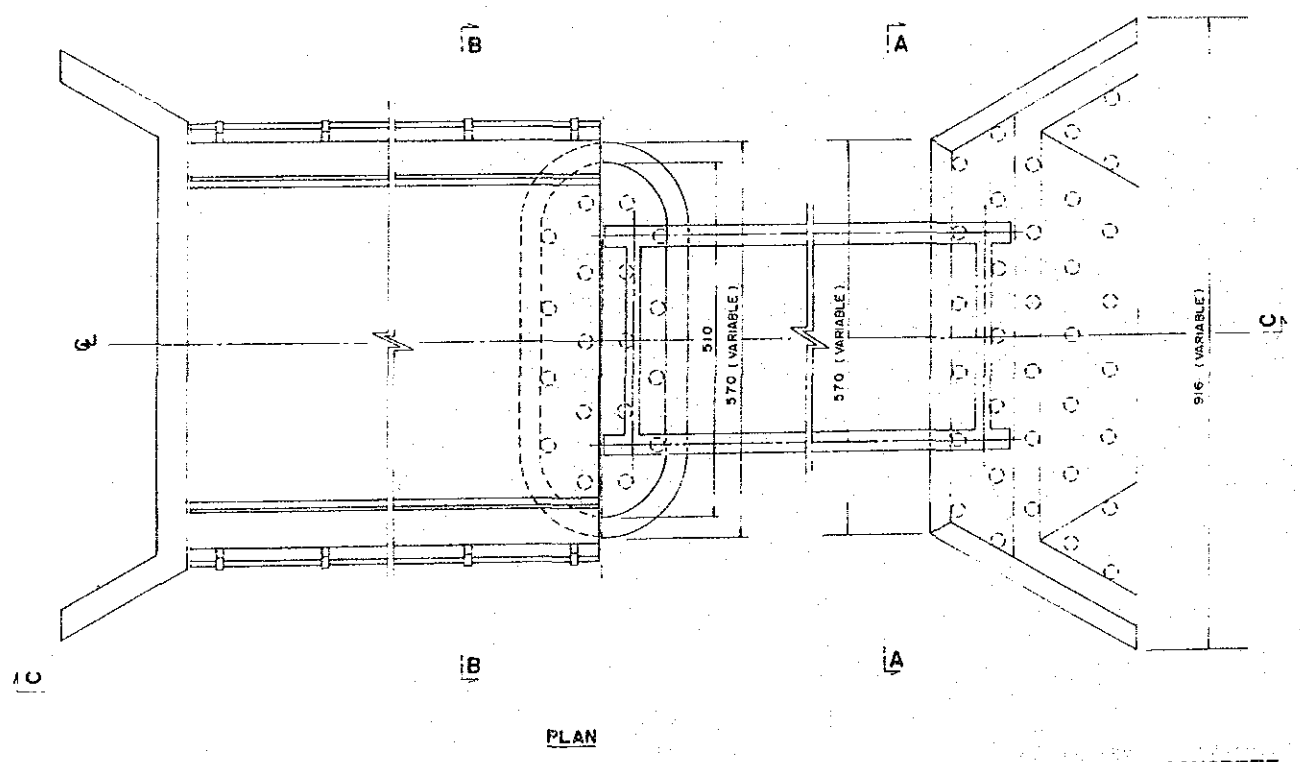
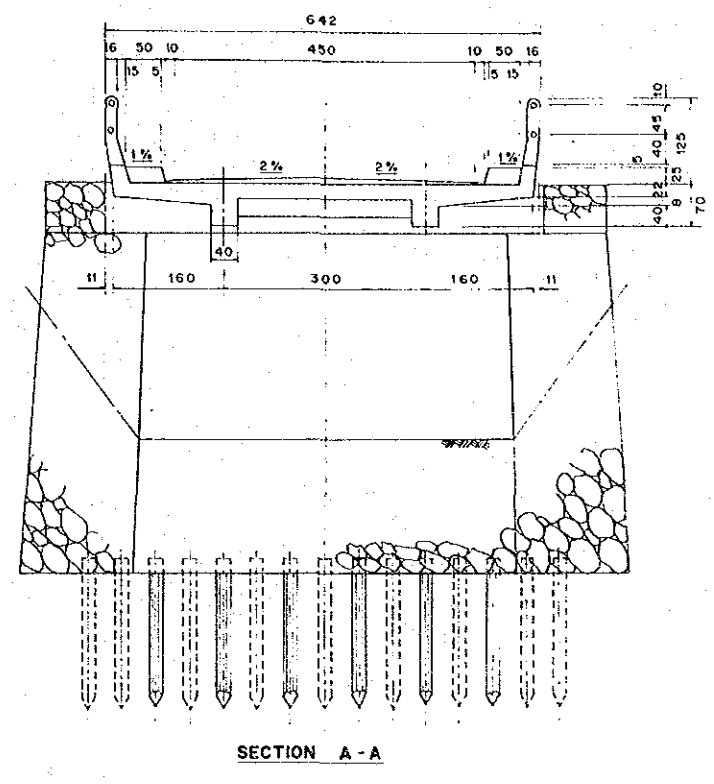
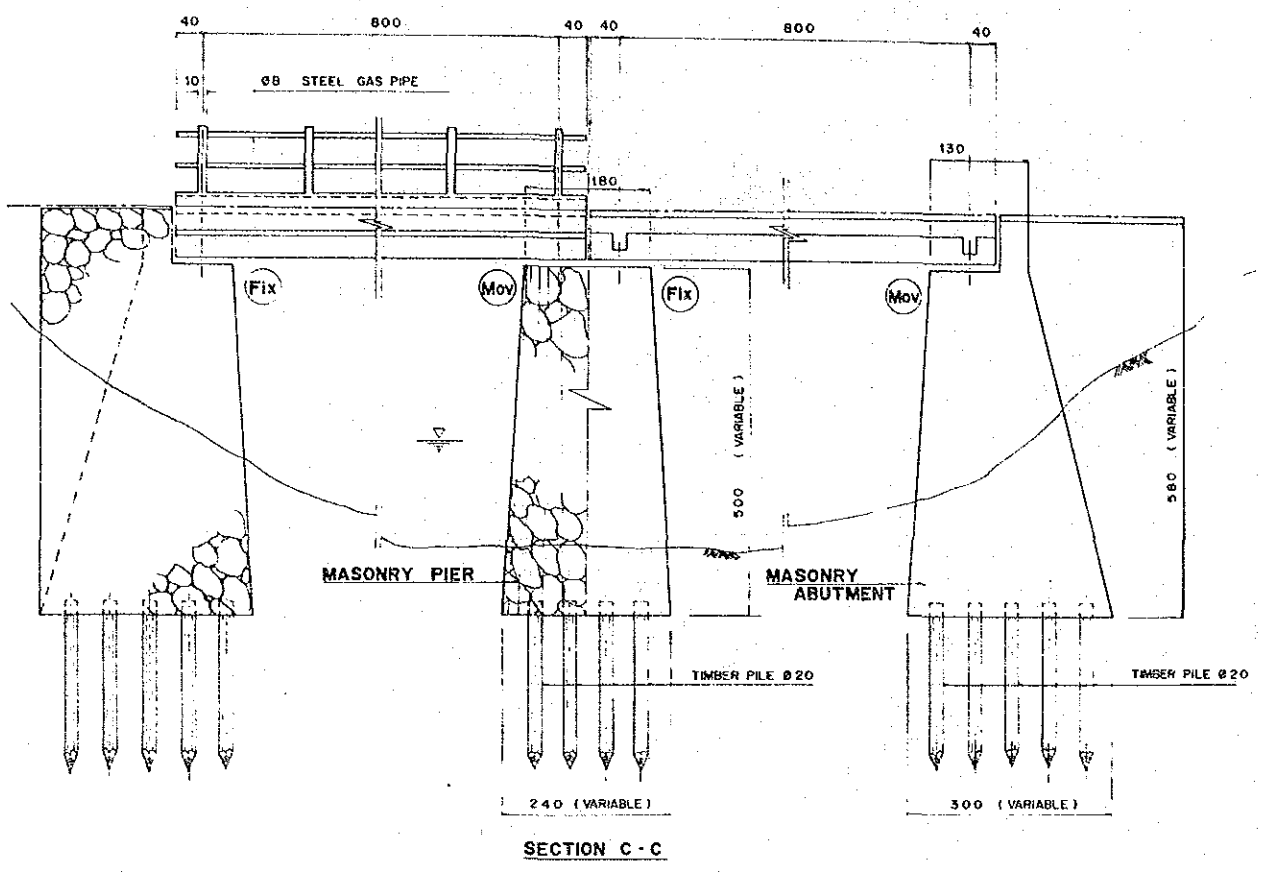
NOTES :

1. DIMENSIONS ARE SHOWN IN CENTIMETERS
2. DESIGN LOAD IS 10T TRUCK LOAD
3. SCALE



TIMBER BRIDGE

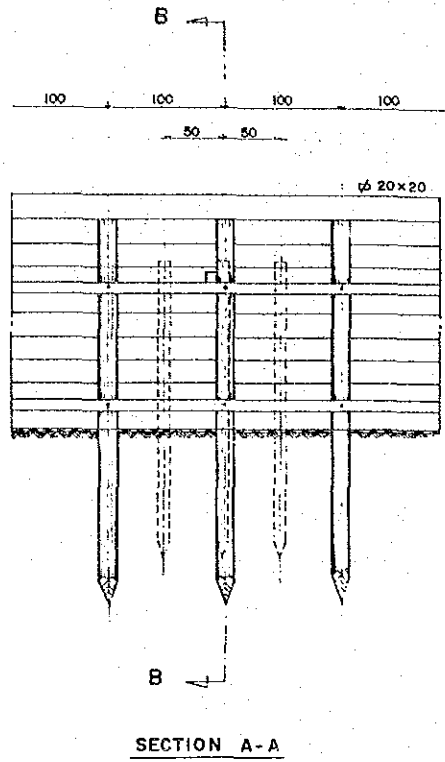
| | | |
|--|---------------------|-------------|
| THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA | | |
| TITLE : TIMBER BRIDGE | | |
| SOURCE : | SCALE : AS SHOWN | KABUPATEN : |



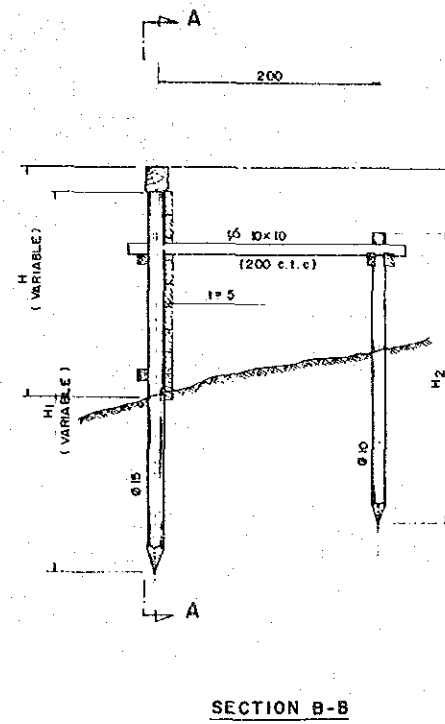
NOTES:
 1 DIMENSIONS ARE SHOWN IN CENTIMETERS
 2 DESIGN LOAD IS BM.50
 3 SCALE

REINFORCED CONCRETE BRIDGE

| | | |
|--|---------------------|-------------|
| THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA | | |
| TITLE : REINFORCED CONCRETE BRIDGE | | |
| SOURCE : | SCALE : AS SHOWN | KABUPATEN : |



SECTION A-A

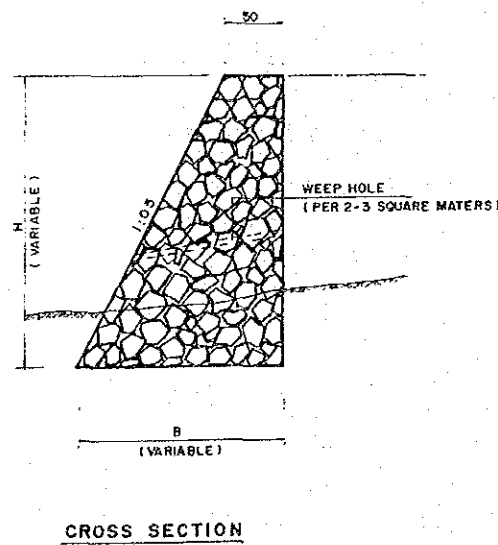


SECTION B-B

TIMBER RETAINING WALL

UNIT QUANTITY

| ITEM | UNIT | QUANTITY |
|----------|--------|------------------------|
| H = 2.0m | TIMBER | m ³ /m 0.26 |
| H = 3.0m | " | " 0.36 |



CROSS SECTION

UNIT QUANTITY

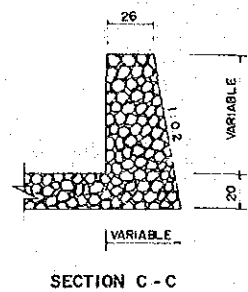
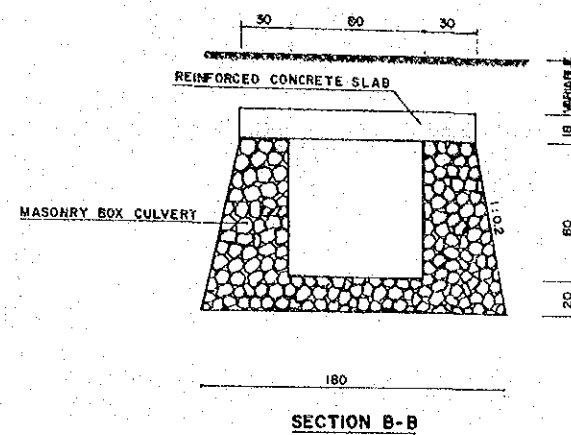
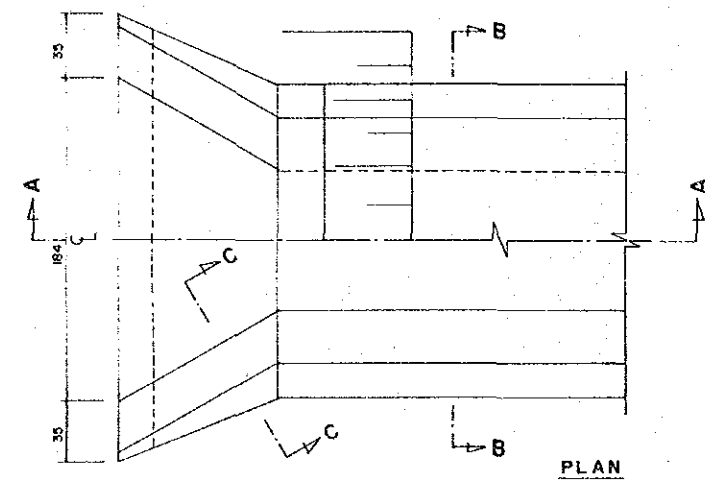
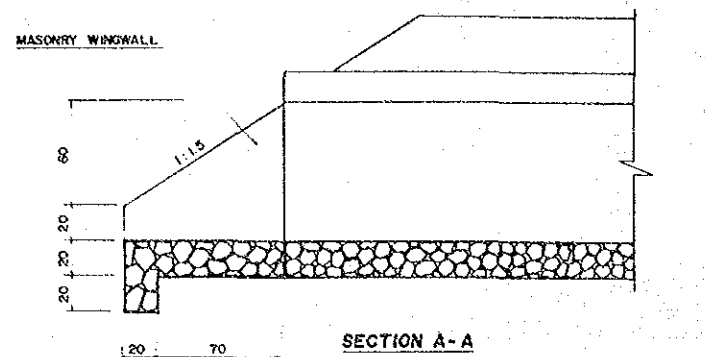
| ITEM | UNIT | QUANTITY |
|----------|--------|------------------------|
| H = 2.0m | STONE | m ³ /m 2.00 |
| | MORTAR | " 0.67 |
| H = 3.0m | STONE | " 3.75 |
| | MORTAR | " 1.25 |

MASONRY RETAINING WALL

- NOTES:
1. DIMENSIONS ARE SHOWN IN CENTIMETERS
 2. SCALE



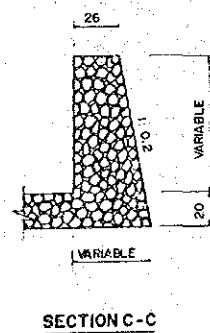
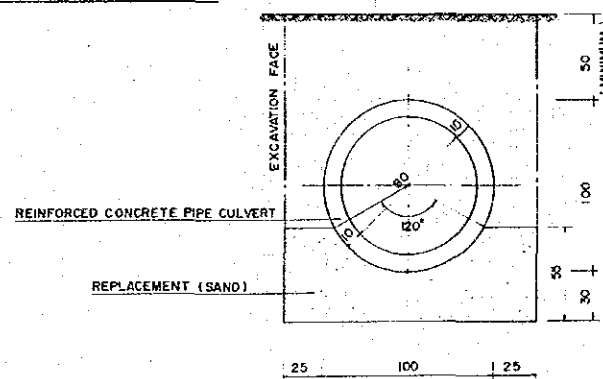
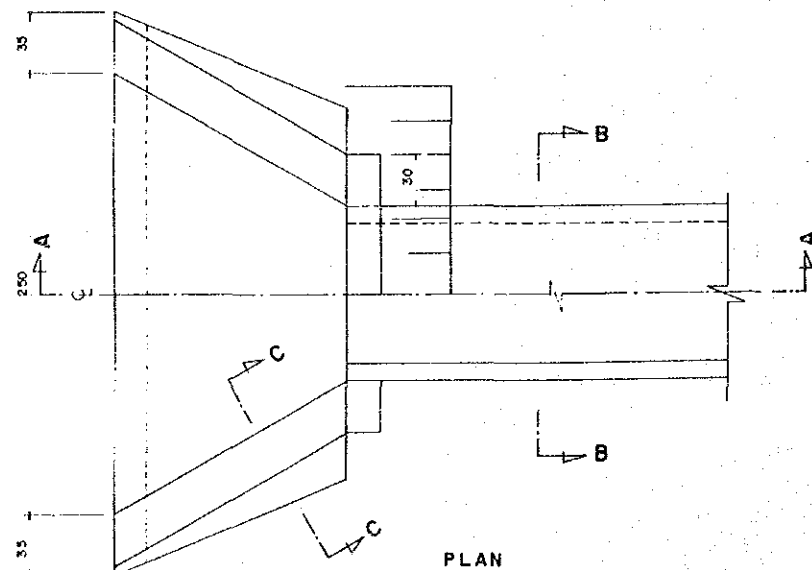
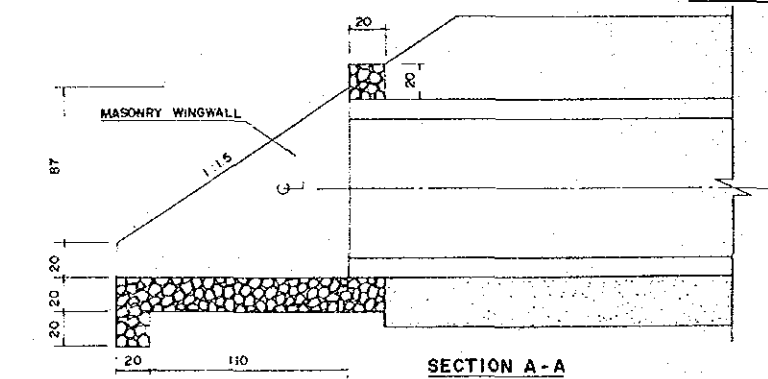
| | | |
|--|----------|-----------|
| <p>THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA</p> | | |
| <p>TITLE : TIMBER RETAINING WALL MASONRY RETAINING WALL</p> | | |
| SOURCE : | SCALE : | KABUPATEN |
| | AS SHOWN | |



UNIT QUANTITY

| ITEM | UNIT | QUANTITY |
|-----------------|-------------------|---------------------------|
| BOX CULVERT | STONE | m ³ /m 0.96 |
| | MORTAL | " 0.32 |
| | CONCRETE | " 0.25 |
| | REINFORCING STEEL | kg/m 13.34 |
| INLET OR OUTLET | FORM | m ² /m 0.36 |
| | STONE | m ² /EACH 0.73 |
| | MORTAL | " 0.24 |

80x80 MASONRY BOX CULVERT

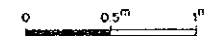


UNIT QUANTITY

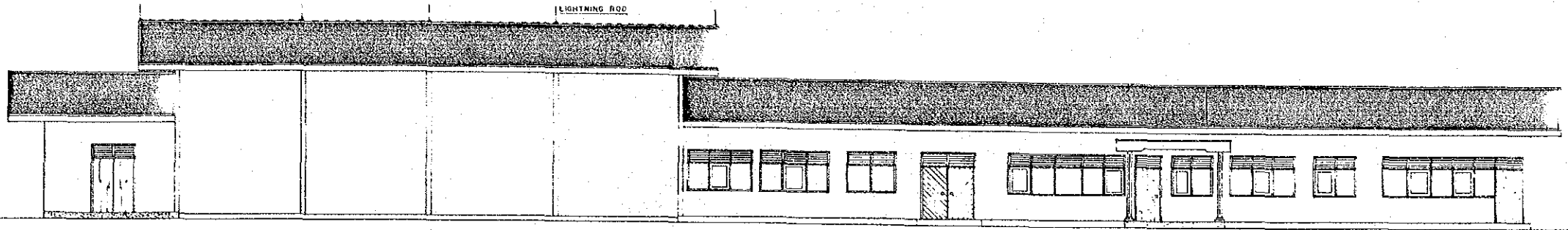
| ITEM | UNIT | QUANTITY |
|-----------------|--------------|---------------------------|
| PIPE CULVERT | SAND | m ³ /m 0.68 |
| | Ø 80 RC PIPE | m/m 1.00 |
| INLET OR OUTLET | STONE | m ² /EACH 1.60 |
| | MORTAL | " 0.53 |

Ø 80 REINFORCED CONCRETE PIPE CULVERT

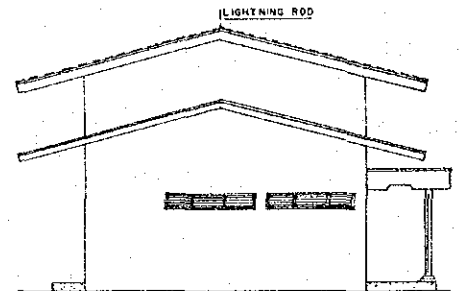
- NOTES :**
1. DIMENSIONS ARE SHOWN IN CENTIMETERS
 2. SCALE



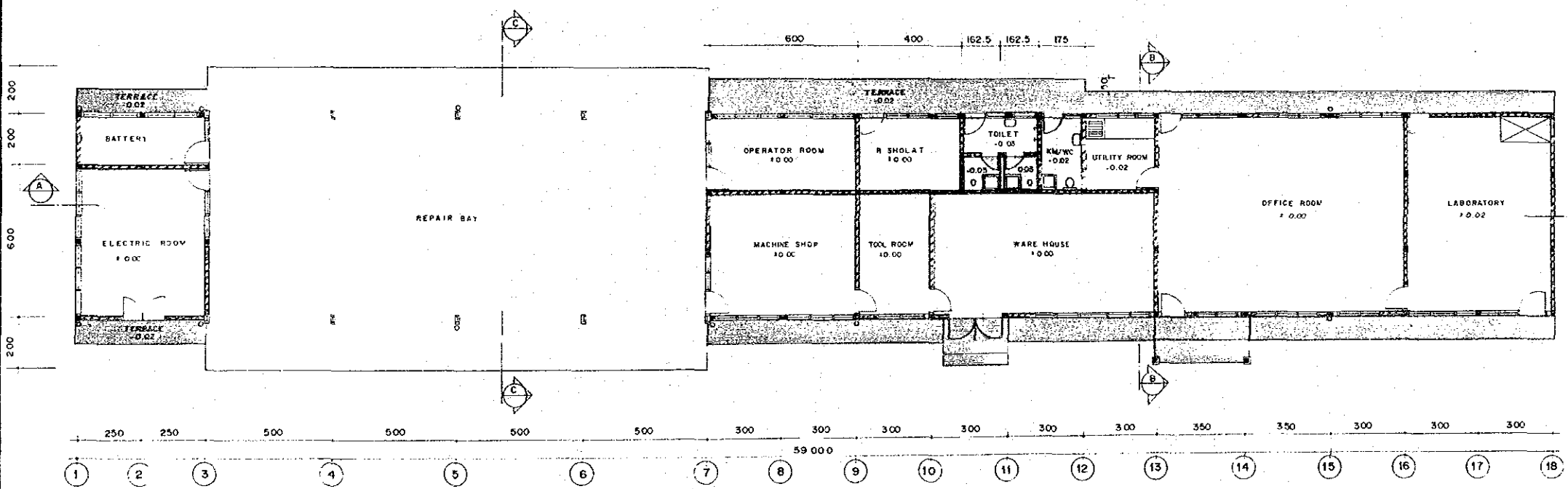
| | | |
|---|---------------------|-------------|
| THE FEASIBILITY STUDY OF THE LOCAL ROAD DEVELOPMENT IN THE REPUBLIC OF INDONESIA | | |
| TITLE : 80x80 MASONRY BOX CULVERT Ø 80 REINFORCED CONCRETE PIPE CULVERT | | |
| SOURCE : | SCALE : AS SHOWN | KABUPATEN : |



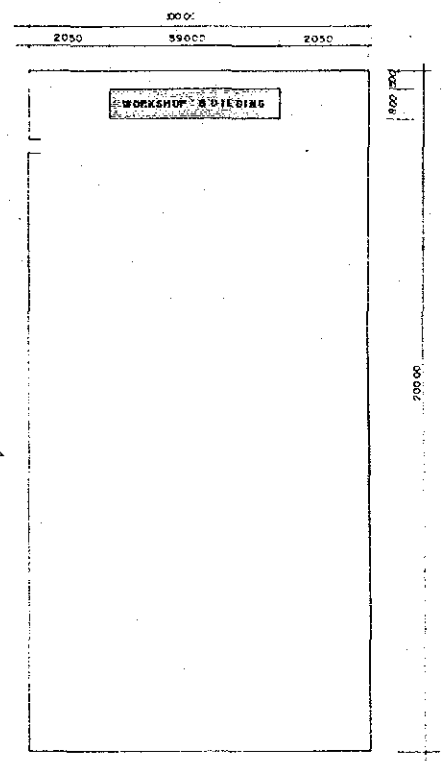
FRONT VIEW



SIDE VIEW

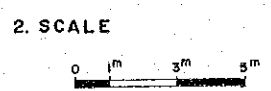


GROUND PLAN



LOCATION MAP
SCALE 0 10m 30m 50m

NOTES:
1. DIMENSIONS ARE SHOWN IN CENTIMETERS



THE FEASIBILITY STUDY OF
THE LOCAL ROAD DEVELOPMENT
IN THE REPUBLIC OF INDONESIA

TITLE: WORK SHOP

| | | |
|---------|--------------------|------------|
| SOURCE: | SCALE: AS SHOWN | KABUPATEN: |
|---------|--------------------|------------|

JICA