



**KITAK??  
TAUK??  
SIK??**

**DATA PANDUAN**

**2026**

**(EDISI PERTAMA)**

**-LANDSKAP BEKALAN AIR JBALB-**

**Diterbitkan oleh:**

**Jabatan Bekalan Air Luar Bandar Sarawak (Ibu Pejabat)  
Tingkat Mezzanine & 1, No. 55, Bangunan ST3, Jalan Simpang 3,  
93350 Kuching Sarawak.**

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**Pengeluaran semula keseluruhan atau sebahagian daripada penerbitan ini melalui kaedah elektronik, fotokopi, mekanikal, rakaman atau mana-mana medium lain adalah dilarang sama sekali tanpa kebenaran bertulis terlebih dahulu daripada Jabatan Bekalan Air Luar Bandar Sarawak.**

**Bagi sebarang petikan daripada kandungan buku kecil ini, sumber berikut hendaklah dinyatakan:**

**“Sumber: Jabatan Bekalan Air Luar Bandar Sarawak (JBALB).”**

**Edisi 1: 2026**

**SCAN  
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# PENAFIAN

Data dan maklumat yang dipaparkan dalam buku kecil 'JBALB Kitak Tauk Sik?' ini disediakan bagi tujuan makluman umum sahaja.

Walaupun pihak Jabatan telah mengambil langkah yang munasabah bagi memastikan ketepatan kandungan, Jabatan tidak akan bertanggungjawab (sama ada akibat kecuaiian, kenyataan mengelirukan atau sebaliknya) terhadap sebarang pernyataan, pandangan atau maklumat, sama ada secara nyata atau tersirat, yang terkandung dalam, diperolehi daripada atau tertinggal daripada buku kecil ini.

Jabatan juga tidak bertanggungjawab terhadap sebarang kebergantungan ke atas ketepatan, kebolehpercayaan atau kelengkapan maklumat yang disediakan dalam buku kecil ini.

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# KATA PENGANTAR

Buku Panduan 'JBALB Kitak Tauk Sik?' terbitan Jabatan Bekalan Air Luar Bandar Sarawak menghimpunkan data utama, analisis serta perkembangan terkini sektor bekalan air JBALB Sarawak, serta penguatkuasaan dan perundangan.

Penerbitan ini menyediakan gambaran menyeluruh mengenai kemajuan Sarawak ke arah landskap utiliti yang berdaya tahan, inklusif dan mampan, sejajar dengan aspirasi pembangunan negeri serta keperluan rakyat.

# GAMBARAN KESELURUHAN BEKALAN AIR

Sarawak sedang menuju ke arah liputan penuh perkhidmatan bekalan air melalui pelaksanaan Pelan Grid Bekalan Air Sarawak serta Sistem Bekalan Air Alternatif Sarawak (SAWAS).

Sehingga tahun 2025, liputan keseluruhan perkhidmatan bekalan air di Sarawak telah mencapai 85.6 peratus, manakala liputan di kawasan luar bandar adalah 71.0 peratus.

Sebagai agensi pelaksana utama di kawasan luar bandar, Jabatan Bekalan Air Luar Bandar Sarawak (JBALB Sarawak) terus memainkan peranan penting dalam memperluas akses bekalan air melalui pelaksanaan projek pembangunan infrastruktur, naik taraf sistem agihan serta pelaksanaan solusi interim dan jangka panjang bagi menangani isu bekalan air.

Pelaksanaan inisiatif ini disokong oleh program strategik seperti pengurangan Air Tidak Berhasil (NRW), penggantian paip lama dan uzur, serta peluasan penggunaan meter air pintar.

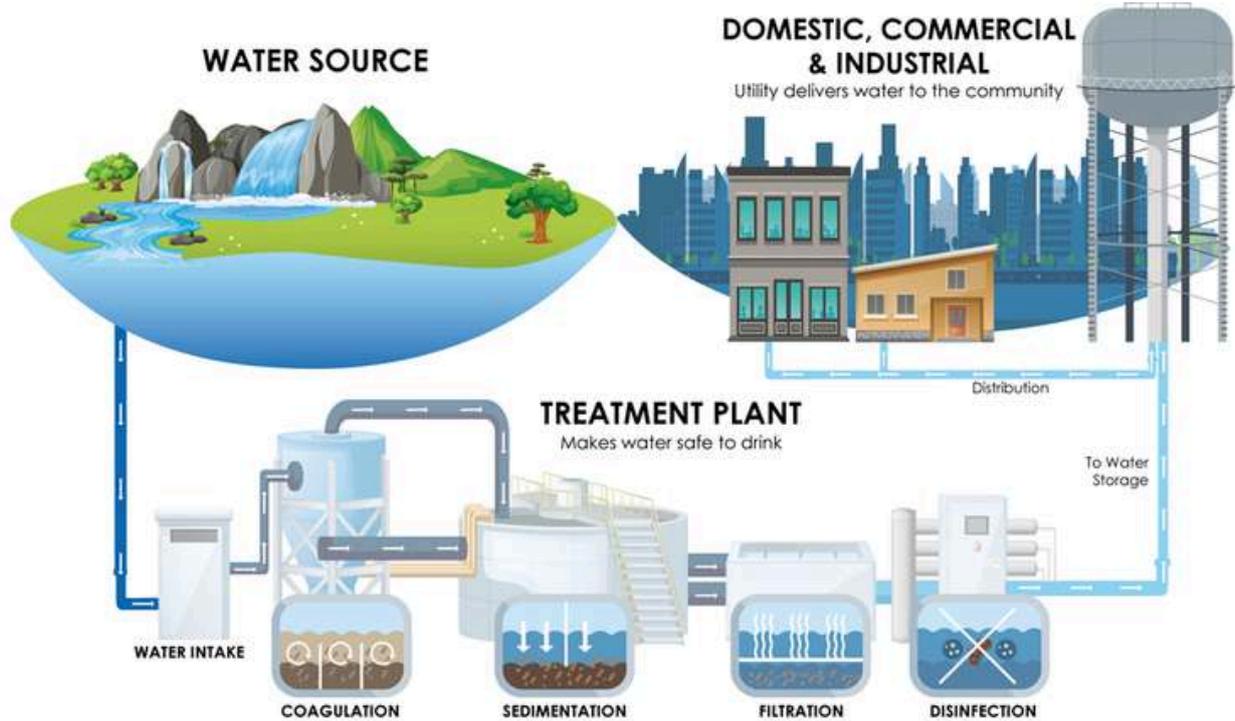
Usaha berterusan ini bertujuan untuk memperkukuh kecekapan sistem bekalan air dan memastikan penyampaian perkhidmatan bekalan air yang bersih, mampan dan diyakini kepada seluruh rakyat Sarawak.

Sumber data: Kementerian Utiliti dan Telekomunikasi Sarawak

# ABBREVIATIONS

<b>1.</b>	<b>JBALB</b>	<b>JABATAN BEKALAN AIR LUAR BANDAR</b>
<b>2.</b>	<b>LCD</b>	<b>LITERS PER CAPITA PER DAY</b>
<b>3.</b>	<b>MCM</b>	<b>MILLION CUBIC METERS</b>
<b>4.</b>	<b>MLD</b>	<b>MILLION LITRES PER DAY</b>
<b>5.</b>	<b>NOS.</b>	<b>NUMBERS</b>
<b>6.</b>	<b>NRW</b>	<b>NON-REVENUE WATER</b>
<b>7.</b>	<b>WTP</b>	<b>WATER TREATMENT PLANT</b>
<b>8.</b>	<b>SAWAS</b>	<b>SARAWAK ALTERNATIVE WATER SUPPLY SYSTEM</b>
<b>9.</b>	<b>SPAN</b>	<b>SURUHANJAYA PERKHIDMATAN AIR NEGARA</b>
<b>10.</b>	<b>SWSB</b>	<b>SARAWAK WATER SDN. BHD.</b>

## WATER FROM SOURCE TO TAP



**Illustration of Typical Water Treatment and Distribution System**

## WATER CATCHMENT AREAS



# 28

Gazetted Water Catchment Areas

# 4,073,351

Hectares

# 10,065,470

Acres

### GAZETTED YEARS

#### 1993

- Ng. Sekuau/ Ng. Stapang
- Ulu Mukah

#### 1994

- Saratok

#### 1996

- Bintulu

#### 1999

- Lambir

#### 2000

- Bintangor
- Tatau
- Lubok Antu
- Betong/ Spaoh/ Debak
- Sebuyau

#### 2002

- Sg. Sarawak Kiri
- Sarikei
- Lawas
- Lingga
- Kapit
- Stumbin Bijat
- Pusa

#### 2003

- Serian
- Simunjan
- Sri Aman
- Engkilili
- Bau
- Matu
- Daro
- Kpg. Tian
- Pantu
- Maludam
- Beladin

## WATER SUPPLY DAMS IN SARAWAK

### TOTAL CAPACITY : 194.93 MCM

#### SIKA DAM, BINTULU (1983)



Sarawak Water Sdn. Bhd.



Rockfill Dam

Height	Capacity	Catchment Size
<b>27 m</b>	<b>3.28 MCM</b>	<b>4 km<sup>2</sup></b>
Length	Full Supply Level	Reservoir Size
<b>270 m</b>	<b>23.1 m</b>	<b>0.361 km<sup>2</sup></b>

Source: Sarawak Water Sdn. Bhd.



Source: Sarawak Water Sdn. Bhd.

#### ASSYAKIRIN DAM, BINTULU (2004)



Sarawak Water Sdn. Bhd.



Earthfill/ Weak Rockfill Dam

Height	Capacity	Catchment Size
<b>32 m</b>	<b>33.68 MCM</b>	<b>27.9 km<sup>2</sup></b>
Length	Full Supply Level	Reservoir Size
<b>470 m</b>	<b>30.1 m</b>	<b>3.63 km<sup>2</sup></b>

Source: Sarawak Water Sdn. Bhd.



Source: Sarawak Water Sdn. Bhd.

#### GERUGU DAM, SARIKEI (2009)



Jabatan Bekalan Air Luar Bandar Sarawak



Earthfill Dam

Height	Capacity	Catchment Size
<b>33 m</b>	<b>13.97 MCM</b>	<b>13.6 km<sup>2</sup></b>
Length	Full Supply Level	Reservoir Size
<b>220 m</b>	<b>30 m</b>	<b>1.33 km<sup>2</sup></b>

Source: Jabatan Bekalan Air Luar Bandar Sarawak



Source: Jabatan Bekalan Air Luar Bandar Sarawak

#### BENGOH DAM, KUCHING (2016)



Sarawak Water Sdn. Bhd.



Roller Compacted Concrete Dam

Height	Capacity	Catchment Size
<b>63 m</b>	<b>144.1 MCM</b>	<b>127 km<sup>2</sup></b>
Length	Full Supply Level	Reservoir Size
<b>267 m</b>	<b>80 m</b>	<b>8.77 km<sup>2</sup></b>

Source: Sarawak Water Sdn. Bhd.



Source: Sarawak Water Sdn. Bhd.

## RURAL WATER SUPPLY COVERAGE PERCENTAGE

Rural Coverage **71%**

## OVERALL WATER SUPPLY COVERAGE PERCENTAGE

Rural & Urban Coverage **85.6%**

### WATER TREATMENT PLANT



**93** NOS

*\*Exclude Decommissioned WTP, Community WTP, Acute WTP & SAWAS WTP*

### ACUTE WATER TREATMENT PLANT



**19** NOS

*\*Include 4 nos under construction*

### TOTAL WTP DESIGN CAPACITY



**693.35** MLD

*\*Exclude Decommissioned WTP, Community WTP, Acute WTP & SAWAS WTP*

### ACUTE WATER PRODUCTION



**87.50** MLD

*\*Exclude 4 nos under construction*

### CURRENT WATER PRODUCTION



**619.05** MLD

*\*Exclude Decommissioned WTP, Community WTP, Acute WTP & SAWAS WTP*

### SAWAS PLANT



**40** NOS

### SAWAS PLANT PRODUCTION



**9** MLD

### BOOSTER PUMP STATION (as at December 2025)



**124** NOS

### GROUND & HIGH-LEVEL TANK (as at December 2025)



**235** NOS

## PIPELINE

TOTAL LENGTH OF PIPELINE

**10,698.74 km**

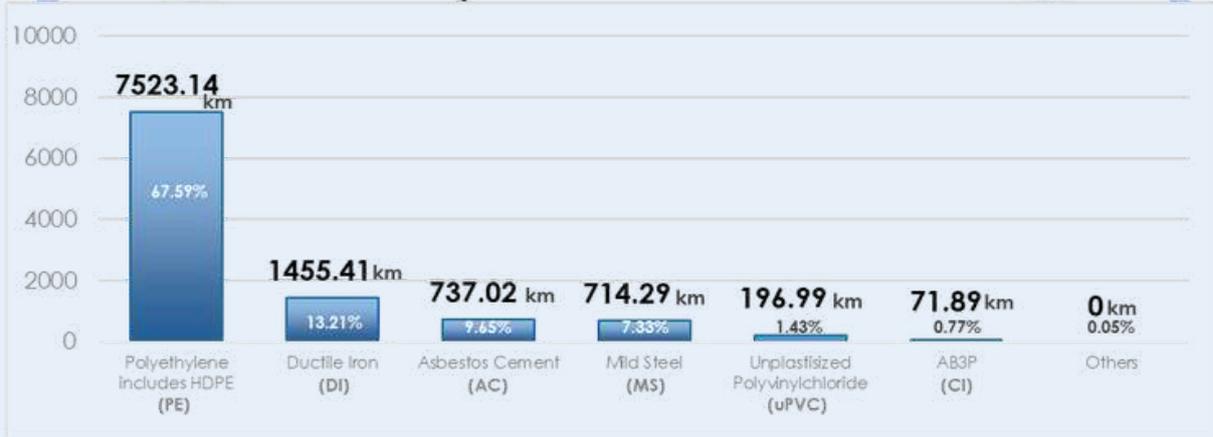


Chart: Length of Pipeline by Types

AGEING/ OLD PIPELINE TO REPLACE

**885.62 km**

Source: Jabatan Bekalan Air Luar Bandar Sarawak

## NRW

JBALB Sarawak

**59.9%**

2024

JBALB Sarawak

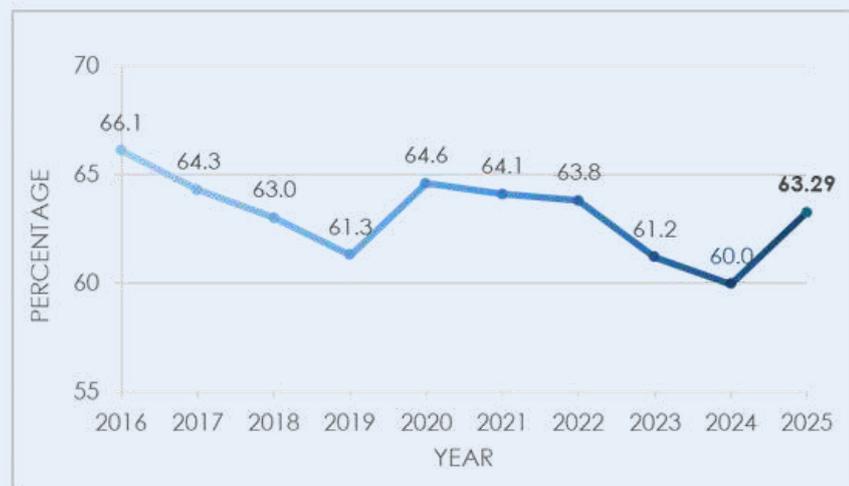
**63.29%**

December 2025

Target

**25.0%**

NON-REVENUE WATER (NRW) PERCENTAGE



Source: Jabatan Bekalan Air Luar Bandar Sarawak

## TOTAL ACTIVE ACCOUNTS

**259,904** NOS

*\*Based on active water meters*

## TOTAL BILLED CONSUMPTION

**9,254** MLD

### DOMESTIC



Active Accounts  
**237,673** NOS (91.45%)

Billed Consumption  
**6,489** MLD (70.12%)

### NON-DOMESTIC

*(Commercial, Industrial, Ship, etc.)*



Active Accounts  
**22,231** NOS (8.55%)

Billed Consumption  
**2,765** MLD (29.88%)

Source: Jabatan Bekalan Air Luar Bandar Sarawak



## DOMESTIC CONSUMPTION PER CAPITA PER DAY

United Nation (Benchmark)	<b>165</b> LCD
Suruhanjaya Perkhidmatan Air Negara (2023)	<b>241</b> LCD
<b>JBALB Sarawak</b>	<b>198</b> LCD

Source: SPAN Facts & Figures 2024

Save Water



## NO. OF WATER METERS INSTALLED



**261,793** units

**0 – 7 years**  
**187,046** units  
(71.45%)

**> 7 years**  
**74747** units  
(28.55%)

## NO. OF SMART WATER METERS INSTALLED

**43,184** units

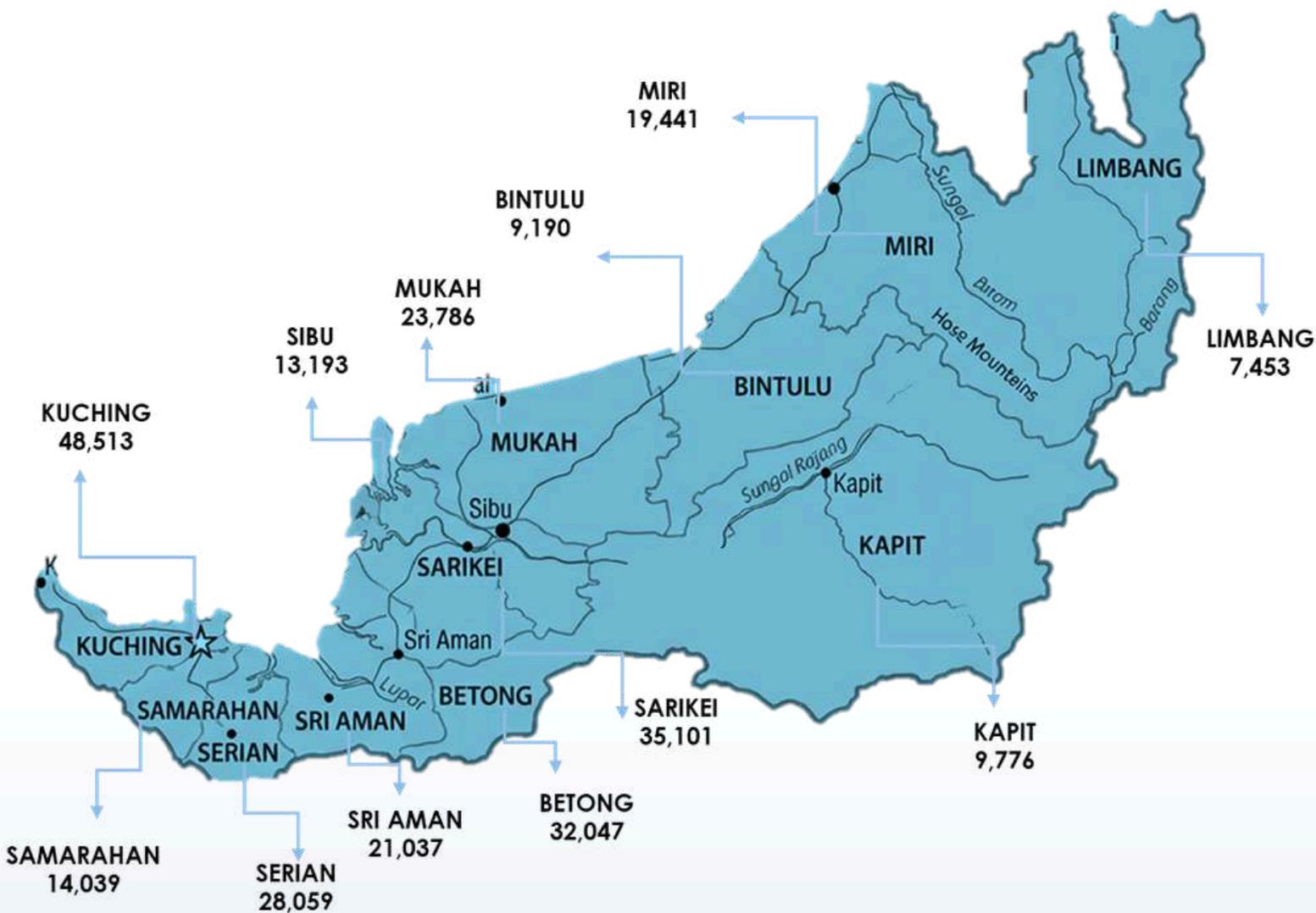
*Includes active, inactive & closed meters.*



Source: Jabatan Bekalan Air Luar Bandar Sarawak

## TOTAL METER ACTIVE BY DIVISION

**261,635** NOS



Source: Jabatan Bekalan Air Luar Bandar Sarawak

# WATER TREATMENT PLANTS DIVISION



**KUCHING**



**SAMARAHAN**



**SERIAN**



**SRI AMAN**



**BETONG**



**SARIKEI**



**SIBU**



**KAPIT**



**MUKAH**



**BINTULU**



**MIRI**



**LIMBANG**



# TAPAH WATER TREATMENT PLANT (Module 1, 2 , 3)



**DESIGN CAPACITY (MLD)**

**19,000**

**YEAR OF COMMISSION**

**1971**

**ESTIMATED POPULATION SERVED**

**61,640**

**ACTIVE METER CONNECTION (NOS.)**

**16,847**

**AREA SERVED FROM**

**TAPAH, BERATOK, SIBURAN**

**INTAKE SOURCE**

**SUNGAI SERIN / SUNGAI TAPAH**



# BAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**15.000**

**YEAR OF COMMISSION**  
**2021**

**ESTIMATED POPULATION SERVED**  
**81,475**

**ACTIVE METER CONNECTION (NOS.)**  
**15,242**

## **AREA SERVED**

**BAU DISTRICT, SINIAWAN, STASS, PARTLY LUNDU DISTRICT**

## **INTAKE SOURCE**

**SUNGAI SARAWAK KANAN**

# LUNDU WATER TREATMENT PLANT

## **DESIGN CAPACITY (MLD)**

**2.46**

## **YEAR OF COMMISSION**

**1959**

## **ESTIMATED POPULATION SERVED**

**12,000**



## **ACTIVE METER CONNECTION (NOS.)**

**2,485**

**PASAR LUNDU, PERUMAHAN MESRA RAKYAT, KPG SEBEMBAN, KPG SG. LUNDU,  
KPG KEDAONG, KPG SEKETI MELAYU/CINA, KPG SEMUNIN CINA/KPG DAGANG,  
KPG SEMUNIN MELAYU, KPG SETUNGGANG MELAYU BARU.**

## **AREA SERVED**

## **INTAKE SOURCE**

**SUNGAI GUNUNG GADING**



# SIMUNJAN WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**5.000**

**YEAR OF COMMISSION**  
**2000**

**ESTIMATED POPULATION SERVED**  
**20,997**

**ACTIVE METER CONNECTION (NOS.)**  
**2,755**

**AREA SERVED**  
**FROM SIMUNJAN TOWN UP TO KPG. TEMIANG**

**INTAKE SOURCE**  
**SUNGAI LEPONG DAM/ SUNGAI MELANJOK (DURING DROUGHT SEASON)**

# SEBANGAN WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**5.000**

**YEAR OF COMMISSION**  
**2000**

**ESTIMATED POPULATION SERVED**  
**20,997**

**ACTIVE METER CONNECTION (NOS.)**  
**2,755**

**AREA SERVED**  
**FROM SIMUNJAN TOWN UP TO KPG. TEMIANG**

**INTAKE SOURCE**  
**SUNGAI LEPONG DAM/ SUNGAI MELANJOK**  
**(DURING DROUGHT SEASON)**



# SEBUYAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**3,200**

**YEAR OF COMMISSION**

**2002**

**ESTIMATED POPULATION SERVED**

**11,965**

**ACTIVE METER CONNECTION (NOS.)**

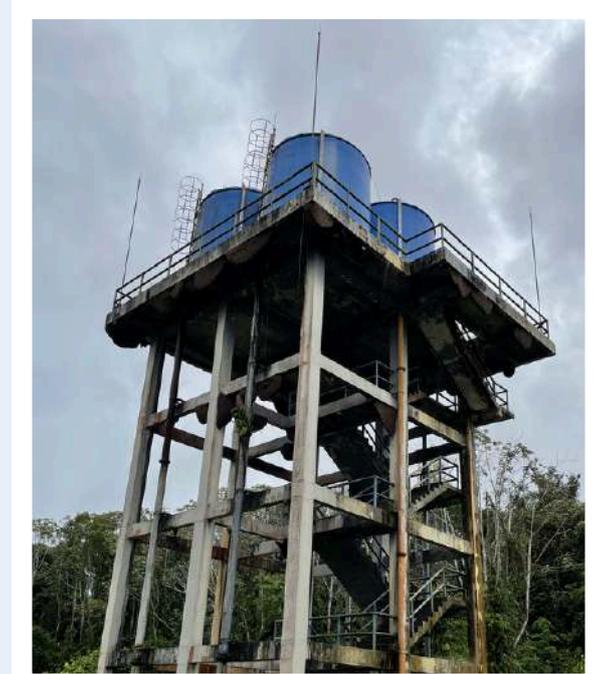
**1,490**

**AREA SERVED FROM**

**PASAR SEBUYAU TO KPG. MASJID/KPG. BARU/KPG. ULU LOT/KPG. HILIR/  
JLN GIATMARA/JLN SAWMIL**

**INTAKE SOURCE**

**SUNGAI ULAR**





# SERIAN

# SLABI WATER TREATMENT PLANT (Module 1, 2, 3)



## **DESIGN CAPACITY (MLD)**

**10,000 (OLD) | 50,000 (PHASE 1 & 2)**

## **YEAR OF COMMISSION**

**2000 (OLD) | 2014 (PHASE 1) | 2021 (PHASE 2)**

## **ESTIMATED POPULATION SERVED**

**110,250**

## **ACTIVE METER CONNECTION (NOS.)**

**22,050**

## **AREA SERVED (OLD PLANT)**

**GEDONG AREA, TRIBOH, JALAN SERIAN – SRI AMAN UP TO JUNCTION KPG SUMPAS, JALAN KPG SUMPAS – PAON RIMU BAKONG**

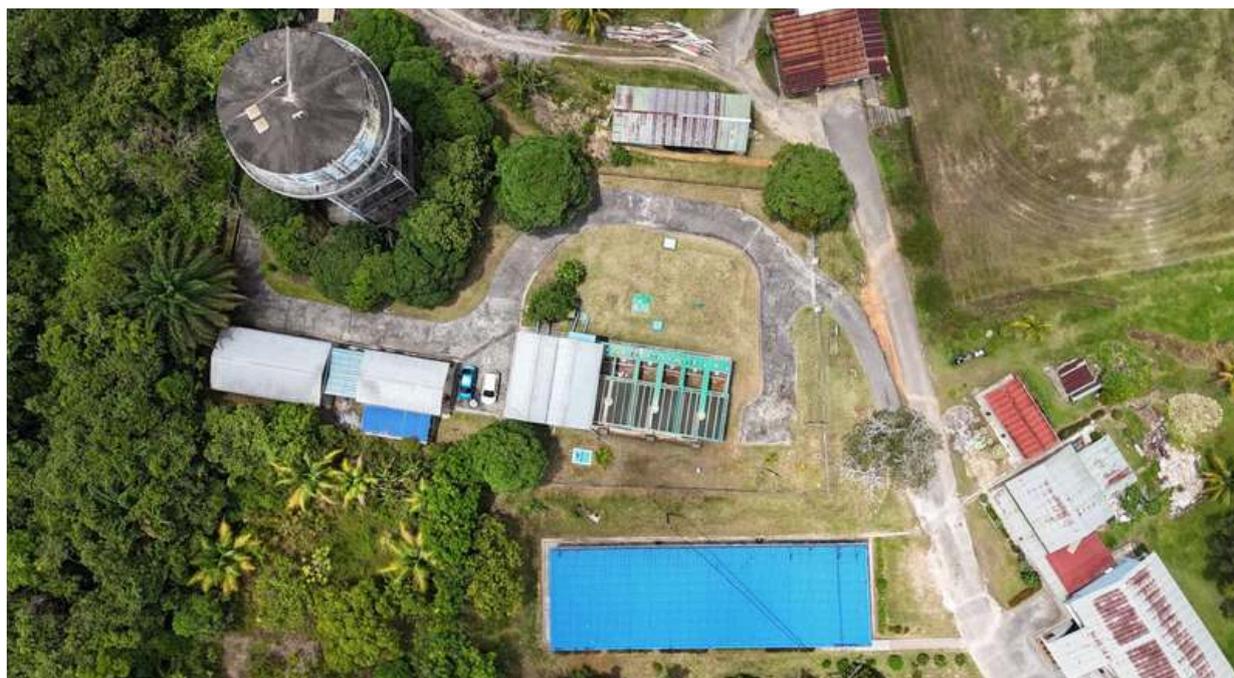
## **AREA SERVED (PHASE 1 & 2)**

**SERIAN TOWN, JALAN KUCHING–SERIAN AREA UP TO PANCHOR DAYAK, JALAN BAKI RIIH, TAE, JALAN ENSENGEI, TEBEDU AREA, JALAN TEBAKANG TEBEDU HIGHWAY, MENTUNG MERAU/ MONGKOS (FUTURE)**

## **INTAKE SOURCE**

**SUNGAI BATANG SADONG, SERIAN**

# BALAI RINGIN WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**2,200**

**YEAR OF COMMISSION**

**1992**

**ESTIMATED POPULATION SERVED**

**17,790**

**ACTIVE METER CONNECTION (NOS.)**

**3,558**

**AREA SERVED**

**BALAI RINGIN AREA UP TO SUNGAI KARANG BRIDGE AND ENKABANG**

**INTAKE SOURCE**

**SUNGAI ULAR**



# SRI AMAN

# BAYAI WATER TREATMENT PLANT (Module 1, 2, 3)



**DESIGN CAPACITY (MLD)**

**53.30**

**YEAR OF COMMISSION**

**1980**

**ESTIMATED POPULATION SERVED**

**60,365**

**ACTIVE METER CONNECTION (NOS.)**

**12,073**

**AREA SERVED**

**SIMANGGANG, PAKIT, BATU LINTANG & ENTULANG**

**INTAKE SOURCE**

**SUNGAI BATANG UNDUK**

## MELUGU WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**0.65**

**YEAR OF COMMISSION**

**1972**

**ESTIMATED POPULATION SERVED**

**2,060**

**ACTIVE METER CONNECTION (NOS.)**

**412**



**AREA SERVED**

**MELUGU SKIM**

**INTAKE SOURCE**

**SUNGAI DOR**

# SKRANG WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**0.65**

**YEAR OF COMMISSION**

**1970**

**ESTIMATED POPULATION SERVED**

**2,440**

**ACTIVE METER CONNECTION (NOS.)**

**448**

**AREA SERVED**

**PENTIK, PELASOK, SKIM SKRANG, TANJUG, PAIS**

**INTAKE SOURCE**

**SUNGAI SKRANG**

# ENKILILI WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**2.00**

**YEAR OF COMMISSION**

**1980**

**ESTIMATED POPULATION SERVED**

**8,105**

**ACTIVE METER CONNECTION (NOS.)**

**1,621**



**AREA SERVED**

**ENKILILI, MEMALOI & SEDARAT**

**INTAKE SOURCE**

**SUNGAI MARUP**

# PANTU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**2.00**

**YEAR OF COMMISSION**

**1983**

**ESTIMATED POPULATION SERVED**

**5,455**

**ACTIVE METER CONNECTION (NOS.)**

**1,091**

**AREA SERVED**

**ABOK, LACHAU & PANTU**

**INTAKE SOURCE**

**SUNGAI BATANG STRAP**

# LINGGA WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**1.65**

**YEAR OF COMMISSION**

**1982**

**ESTIMATED POPULATION SERVED**

**2,475**

**ACTIVE METER CONNECTION (NOS.)**

**495**



**AREA SERVED**

**FROM LINGGA TO SK ST DUNSTAN**

**INTAKE SOURCE**

**SUNGAI STUGOK**

# SEDUKU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**2.00**

**YEAR OF COMMISSION**  
**2014**

**ESTIMATED POPULATION SERVED**  
**2,995**

**ACTIVE METER CONNECTION (NOS.)**  
**599**

**AREA SERVED**  
**GRAN LIMU & SEDUKU**

**INTAKE SOURCE**  
**SUNGAI STUMBIN**

# STUMBIN WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.65**

**YEAR OF COMMISSION**  
**1989**

**ESTIMATED POPULATION SERVED**  
**4,495**

**ACTIVE METER CONNECTION (NOS.)**  
**899**



**AREA SERVED**  
**STUMBIN, GRAN, TG. BIJAT, KPG MELAYU BAUR**

**INTAKE SOURCE**  
**SUNGAI STUMBIN**

# LUBOK ANTU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**7.50**

**YEAR OF COMMISSION**

**2014**

**ESTIMATED POPULATION SERVED**

**11,540**

**ACTIVE METER CONNECTION (NOS.)**

**2,308**

**AREA SERVED**

**LUBOK ANTU**

**INTAKE SOURCE**

**SUNGAI BATANG AI**

# LEMANAK WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**2.20**

**YEAR OF COMMISSION**

**1984**

**ESTIMATED POPULATION SERVED**

**5,295**



**ACTIVE METER CONNECTION (NOS.)**

**1,059**

**AREA SERVED**

**MERINDUN, MERIO**

**INTAKE SOURCE**

**SUNGAI BATANG LEMANAK**



# BETONG

# LUBAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**30**

**YEAR OF COMMISSION**

**2001**

**ESTIMATED POPULATION SERVED**

**31,810**

**ACTIVE METER CONNECTION (NOS.)**

**6,908**

**AREA SERVED**

**BETONG, SPAOH, DEBAK**

**INTAKE SOURCE**

**SUNGAI LAYAR**

# KAKI WONG WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**30**

**YEAR OF COMMISSION**

**2013**

**ESTIMATED POPULATION SERVED**

**110,585**

**ACTIVE METER CONNECTION (NOS.)**

**9,437**



**AREA SERVED**

**KAKI WONG, PUSA, DEBAK, SARATOK, KUPANG, BELADIN**

**INTAKE SOURCE**

**SUNGAI KRIAN**

# LICHOK WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**15**

**YEAR OF COMMISSION**

**2000**

**ESTIMATED POPULATION SERVED**

**60,980**

**ACTIVE METER CONNECTION (NOS.)**

**5,349**

**AREA SERVED**

**ROBAN, KABONG, PERPAT, NYABOR, SESSANG**

**INTAKE SOURCE**

**SUNGAI SEBELAK**



# SARIKEI

# BAYONG WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**100,000**

**YEAR OF COMMISSION**

**1993**

**ESTIMATED POPULATION SERVED**

**94,785**

**ACTIVE METER CONNECTION (NOS.)**

**18,957**

**AREA SERVED**

**SARIKEI, PAKAN, SELALANG, KJD, SKIM B, JALAN PASI/BAKONG, TG. MANIS, SUPPLEMENTARY SUPPLY TO TEMADAK RESERVOIR**

**INTAKE SOURCE**

**SUNGAI SARIKEI, GERUGU DAM**

# SELALANG WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**0.655**

**YEAR OF COMMISSION**

**1983**

**ESTIMATED POPULATION SERVED**

**2,545**

**ACTIVE METER CONNECTION (NOS.)**

**509**



**AREA SERVED**

**SELALANG**

**INTAKE SOURCE**

**SUNGAI LALANG**

# TEMADAK WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**18.000**

**YEAR OF COMMISSION**  
**1983**

**ESTIMATED POPULATION SERVED**  
**45.130**

**ACTIVE METER CONNECTION (NOS.)**  
**9,026**



**AREA SERVED**  
**BINTANGOR TOWN, TULAI, SG SIAN, SELIDAP, LEBEAN,  
KJD, SKIM B, BAKONG/MERADONG**

**INTAKE SOURCE**  
**SUNGAI TEMADAK**

# JULAU WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.655**

**YEAR OF COMMISSION**  
**1972**

**ESTIMATED POPULATION SERVED**  
**4,580**

**ACTIVE METER CONNECTION (NOS.)**  
**916**



**AREA SERVED**  
**JULAU**

**INTAKE SOURCE**  
**SUNGAI JULAU**

# PALOH WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.655**

**YEAR OF COMMISSION**  
**1993**

**ESTIMATED POPULATION SERVED**  
**1,785**

**ACTIVE METER CONNECTION (NOS.)**  
**357**



**AREA SERVED**  
**PALOH**

**INTAKE SOURCE**  
**'UNDERGROUND WATER'**

# PAKAN WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.655**

**YEAR OF COMMISSION**  
**1983**

**ESTIMATED POPULATION SERVED**  
**15,275**

**ACTIVE METER CONNECTION (NOS.)**  
**3,055**



**AREA SERVED**  
**PAKAN TOWN**

**INTAKE SOURCE**  
**SUNGAI JULAU**



# SIBU

# NANGA SEKUAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**0.650**

**YEAR OF COMMISSION**  
**1981**

**ESTIMATED POPULATION SERVED**  
**4,160**

**ACTIVE METER CONNECTION (NOS.)**  
**838**

**AREA SERVED**  
**NANGA SEKUAU / STAPANG / JALAN SIBU-BINTULU**

**INTAKE SOURCE**  
**SUNGAI BATANG OYA**

# SELANGAU - ULU MUKAH WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**2,270 (OLD PLANT) | 7,000 (NEW PLANT)**

**YEAR OF COMMISSION**  
**1981 (OLD PLANT) | 2012 (NEW PLANT)**

**ESTIMATED POPULATION SERVED**  
**11,900**

**ACTIVE METER CONNECTION (NOS.)**  
**2,489**

**AREA SERVED**  
**SELANGAU / JALAN SIBU-BINTULU / JALAN**  
**SELANGAU-MUKAH / JALAN DIJIH**

**INTAKE SOURCE**  
**SUNGAI BATANG MUKAH**



# RASSAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**0.770**

**YEAR OF COMMISSION**  
**2004**

**ESTIMATED POPULATION SERVED**  
**860**

**ACTIVE METER CONNECTION (NOS.)**  
**173**

**AREA SERVED**  
**RASSAU**

**INTAKE SOURCE**  
**SUNGAI RASSAU**

# KANOWIT WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**4.860**

**YEAR OF COMMISSION**  
**1960**

**ESTIMATED POPULATION SERVED**  
**14,405**

**ACTIVE METER CONNECTION**  
**(NOS.)**  
**2,955**

**AREA SERVED**  
**KANOWIT / JALAN RANTAU KEMIDING / JALAN LUKUT PENYULAU**

**INTAKE SOURCE**  
**SUNGAI KANOWIT**

# MACHAN WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**0.650 (OLD PLANT) | 4.000 (NEW PLANT)**

**YEAR OF COMMISSION**  
**1993 (OLD PLANT) | 2012 (NEW PLANT)**

**ESTIMATED POPULATION SERVED**  
**11,020**

**ACTIVE METER CONNECTION (NOS.)**  
**2,420**

**AREA SERVED**

**MACHAN / JALAN KJD / NAMAN**

**INTAKE SOURCE**

**SUNGAI KANOWIT**

# NANGA TADA WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**0.650**

**YEAR OF COMMISSION**

**1993**

**ESTIMATED POPULATION SERVED**

**2,120**

**ACTIVE METER CONNECTION (NOS.)**

**439**



**AREA SERVED**  
**NANGA TADA RESETTLEMENT SCHEME / MAPAI**

**INTAKE SOURCE**  
**SUNGAI KABAH**

# NANGA NGUNGUN WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**0.650**

**YEAR OF COMMISSION**  
**1993**

**ESTIMATED POPULATION SERVED**  
**2,715**

**ACTIVE METER CONNECTION (NOS.)**  
**554**

**AREA SERVED**  
**NANGA NGUNGUN RESETTLEMENT SCHEME**

**INTAKE SOURCE**  
**SUNGAI NGEMAH**

# NANGA DAP WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.650**

**YEAR OF COMMISSION**  
**1993**

**ESTIMATED POPULATION SERVED**  
**950**

**ACTIVE METER CONNECTION (NOS.)**  
**186**



**AREA SERVED**  
**NANGA DAP RESETTLEMENT SCHEME**

**INTAKE SOURCE**  
**SUNGAI BATANG RAJANG**

# NANGA JAGAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**0.650**

**YEAR OF COMMISSION**  
**1993**

**ESTIMATED POPULATION SERVED**  
**1,175**

**ACTIVE METER CONNECTION (NOS.)**  
**241**

**AREA SERVED**  
**NANGA JAGAU RESETTLEMENT SCHEME**

**INTAKE SOURCE**  
**SUNGAI NGEMAH**



# KAPIT

# KAPIT WATER TREATMENT PLANT (Module 1 & 2)



**DESIGN CAPACITY (MLD)**

**28.5**

**YEAR OF COMMISSION**

**MODULE 1 : 1988 (4.5 MLD)**

**MODULE 2 : 2012 (24 MLD)**

**ESTIMATED POPULATION SERVED**

**34,455**

**AREA SERVED**

**JALAN SELIRIK-MERIKU, PASAR KAPIT,  
JALAN ULU SG KAPIT, BUKIT GORAM, PASAR BLETEH**

**ACTIVE METER CONNECTION (NOS.)**

**6,911**

**INTAKE SOURCE**

**SUNGAI RAJANG**

## SONG WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**4**

**YEAR OF COMMISSION**

**2008**

**ESTIMATED POPULATION SERVED**

**6,680**



**ACTIVE METER CONNECTION (NOS.)**

**1,336**

**AREA SERVED**

**PASAR SONG, JALAN TAKAN**

**INTAKE SOURCE**

**SUNGAI KETIBAS**

# BELAGA WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**5**

**YEAR OF COMMISSION**

**2013**

**ESTIMATED POPULATION SERVED**

**5,475**

**ACTIVE METER CONNECTION (NOS.)**

**1,095**



**AREA SERVED**

**PASAR BELAGA, UMA AGING (LONG LAEH),  
UMA AGING (LONG DA'AH), UMA KAHEI. UMA KEJAMAN NEH**

**INTAKE SOURCE**

**SUNGAI BELAGA**

# LONG MITIK WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**0.18**

**YEAR OF COMMISSION**

**2024**

**ESTIMATED POPULATION SERVED**

**965**

**ACTIVE METER CONNECTION (NOS.)**

**193**

**AREA SERVED**

**RH KULIT, RH LAHANAN, LONG SEMULANG,  
RH KEJAMAN LASAH, LONG SEGAHAM**

**INTAKE SOURCE**

**SUNGAI RAJANG**

# LONG MENJAWAH TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**0.18**

**YEAR OF COMMISSION**

**2024**

**ESTIMATED POPULATION SERVED**

**475**

**ACTIVE METER CONNECTION (NOS.)**

**95**



**AREA SERVED**

**RH APAN**

**INTAKE SOURCE**

**SUNGAI RAJANG**

# ENTAWAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**0.65**

**YEAR OF COMMISSION**

**1996**

**ESTIMATED POPULATION SERVED**

**965**

**ACTIVE METER CONNECTION (NOS.)**

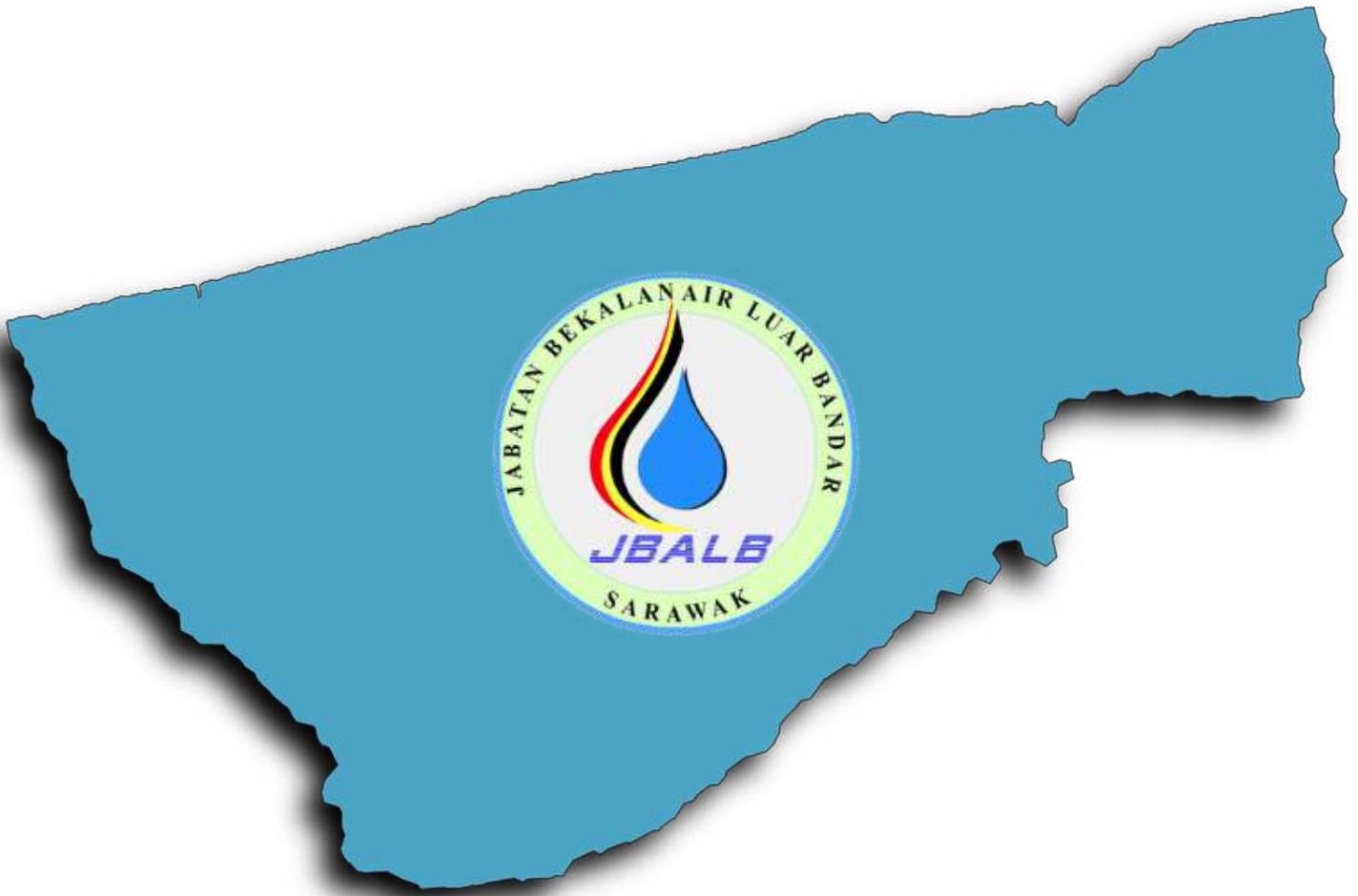
**134**

**AREA SERVED**

**RH LASO, RH UNGGAM, RH RENTAP, RH WILLIAM GIMA**

**INTAKE SOURCE**

**SUNGAI BALEH**



# MUKAH

# BASONG WATER TREATMENT PLANT (Module 1 & 2)



**DESIGN CAPACITY (MLD)**

**MODULE 1 : 14.000**

**MODULE 2 : 45.000**

**YEAR OF COMMISSION**

**MODULE 1: 2006**

**MODULE 2: 2017**

**AREA SERVED**

**MUKAH, OYA, IGAN, BALINGIAN, KUALA BALINGIAN,  
DALAT**

**INTAKE SOURCE**

**BATANG MUKAH**

**ESTIMATED POPULATION SERVED**

**MODULE 1 & 2: 49,170**

**ACTIVE METER CONNECTION (NOS.)**

**9,834**

## BALINGIAN WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**

**0.655**

**YEAR OF COMMISSION**

**1993**

**ESTIMATED POPULATION SERVED**

**2,620**

**ACTIVE METER CONNECTION (NOS.)**

**524**

**AREA SERVED**

**BALINGIAN SUB-DISTRICT**

**INTAKE SOURCE**

**SUNGAI SUYONG**



# DALAT WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**4.500**

**YEAR OF COMMISSION**  
**1998**

**ESTIMATED POPULATION SERVED**  
**14,225**

**AREA SERVED**  
**DALAT DISTRICT**

**ACTIVE METER CONNECTION (NOS.)**  
**2,845**

**INTAKE SOURCE**  
**SUNGAI UD STORAGE POND**

# KUT WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.655**

**YEAR OF COMMISSION**  
**1998**

**ESTIMATED POPULATION SERVED**  
**2,140**

**ACTIVE METER CONNECTION (NOS.)**  
**428**

**AREA SERVED**  
**KAMPUNG SUNGAI KUT**

**INTAKE SOURCE**  
**BATANG IGAN**



# MATU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**3.200**

**YEAR OF COMMISSION**  
**1984**

**ESTIMATED POPULATION SERVED**  
**12,600**  
**\*INCLUDED IN JEMORENG WTP**

**AREA SERVED**  
**KAMPUNG JEMORENG, KAMPUNG BAWANG**

**ACTIVE METER CONNECTION (NOS.)**  
**2,520**

**INTAKE SOURCE**  
**SUNGAI JEMORENG & TREATED WATER FROM JEMORENG WTP**

**\*INCLUDED IN JEMORENG WTP**

# TIAN WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.800**

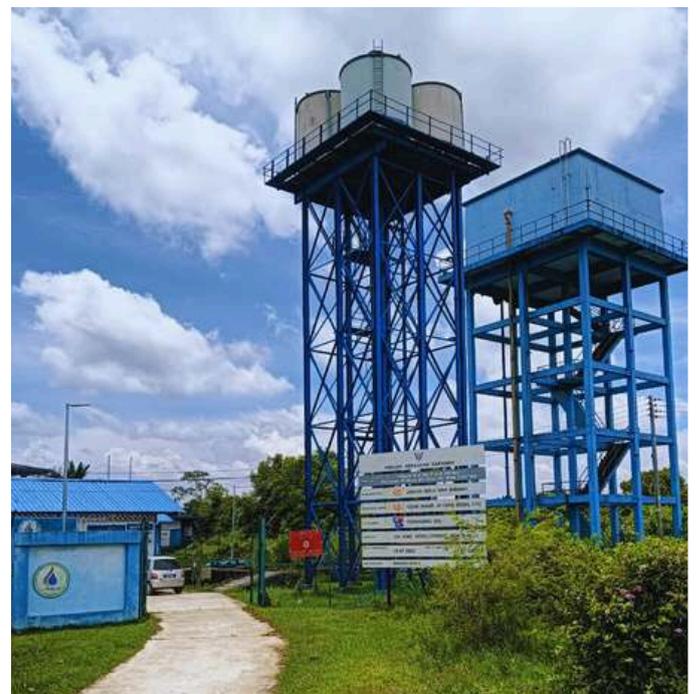
**YEAR OF COMMISSION**  
**1981**

**ESTIMATED POPULATION SERVED**  
**1,545**

**ACTIVE METER CONNECTION (NOS.)**  
**309**

**AREA SERVED**  
**KAMPUNG TIAN**

**INTAKE SOURCE**  
**SUNGAI MABUD**



# JEMORENG WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**10,500**

**YEAR OF COMMISSION**  
**2014**

**ESTIMATED POPULATION SERVED**  
**12,600**

**ACTIVE METER CONNECTION (NOS.)**  
**2,520**

**AREA SERVED**  
**KAMPUNG JEMORENG, KAMPUNG BAWANG**

**INTAKE SOURCE**  
**SUNGAI JEMORENG**

# DARO WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**1,640**

**YEAR OF COMMISSION**  
**1983**

**ESTIMATED POPULATION SERVED**  
**12,515**

**ACTIVE METER CONNECTION (NOS.)**  
**2,503**

**AREA SERVED**  
**DARO DISTRICT**

**INTAKE SOURCE**  
**SUNGAI DARO (TEBU)**



# SEMOP WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**0.200**

**YEAR OF COMMISSION**  
**2024**

**ESTIMATED POPULATION SERVED**  
**1,895**

**ACTIVE METER CONNECTION (NOS.)**  
**379**

**AREA SERVED**  
**KAMPUNG SEMOP**

**INTAKE SOURCE**  
**RAIN WATER HARVESTING POND**

# SAAI WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.100**

**YEAR OF COMMISSION**  
**2024**

**ESTIMATED POPULATION SERVED**  
**1,165**

**ACTIVE METER CONNECTION (NOS.)**  
**233**

**AREA SERVED**  
**KAMPUNG SAAI**

**INTAKE SOURCE**  
**RAIN WATER HARVESTING POND**



# PENIBONG WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**1.500**

**YEAR OF COMMISSION**

**2012**

**ESTIMATED POPULATION SERVED**

**2,715**

**ACTIVE METER CONNECTION (NOS.)**

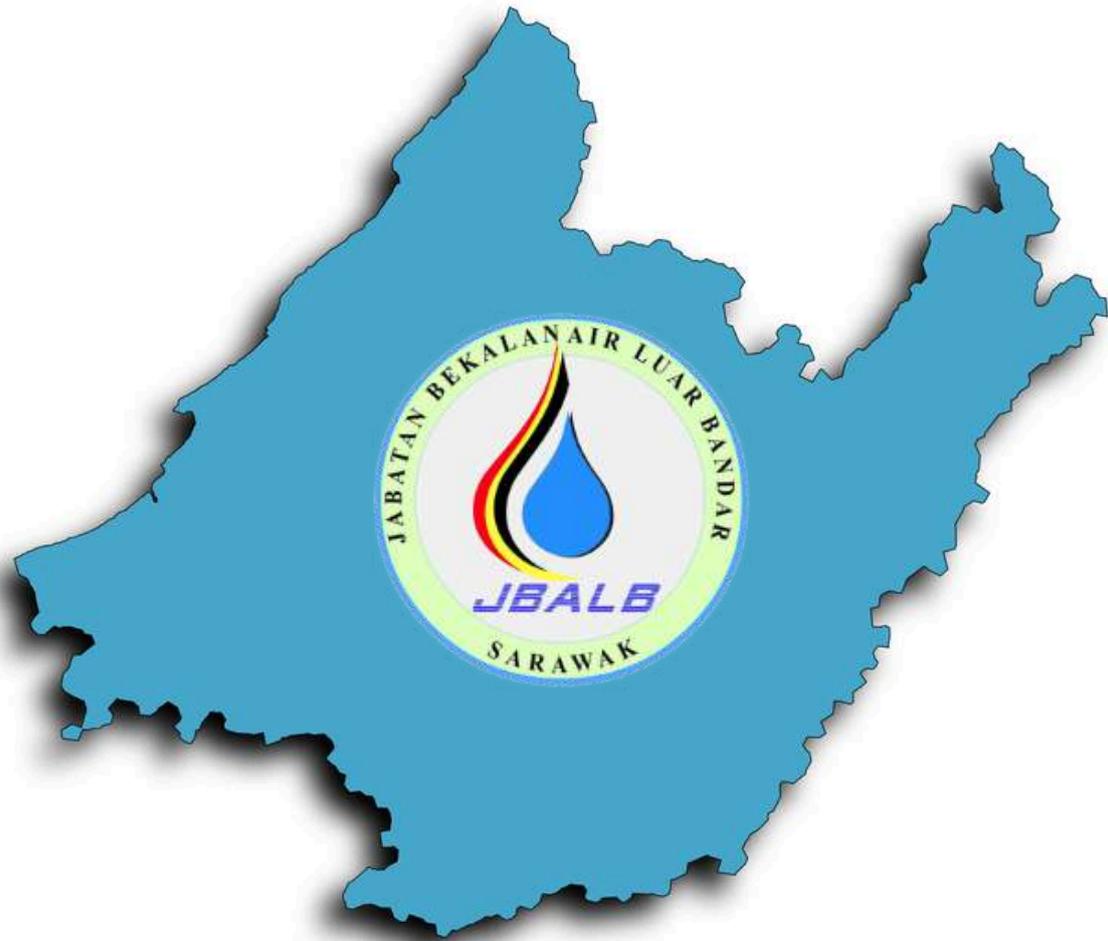
**543**

**AREA SERVED**

**KAMPUNG PENIBONG, KAMPUNG PENUAI,  
KAMPUNG SALAK KECIL, KAMPUNG BETANAK**

**INTAKE SOURCE**

**UNDERGROUND WATER WELL**



# BINTULU

# TATAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**6.00**

**YEAR OF COMMISSION**  
**2019**

**ESTIMATED POPULATION SERVED**  
**7,855**

**ACTIVE METER CONNECTION (NOS.)**  
**1,571**

**AREA SERVED**  
**SG SELITUT BRIDGE UP TO BOMBA TATAU JUNCTION,**  
**BOMBA TATAU JUNCTION UP TO RH DINGON**

**INTAKE SOURCE**  
**SUNGAI SAP KIRI**

# SUNGAI ASAP WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**9.00**

**YEAR OF COMMISSION**  
**5MLD WTP (2018), 4MLD WTP (1996)**

**ESTIMATED POPULATION SERVED**  
**10,430**

**ACTIVE METER CONNECTION (NOS.)**  
**2,086**



**AREA SERVED**  
**SUNGAI ASAP AREA**  
**(16 LONGHOUSES, SCHOOLS, CLINICS AND SG ASAP TOWN)**

**INTAKE SOURCE**  
**SUNGAI SAP KIRI**

# TUBAU WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**  
**0.65**

**YEAR OF COMMISSION**  
**1997**

**ESTIMATED POPULATION SERVED**  
**310**

**ACTIVE METER CONNECTION (NOS.)**  
**62**

**AREA SERVED**  
**TUBAU AREA AND SURROUNDING AREAS**  
**INCLUDING SK BUKIT BALAI**

**INTAKE SOURCE**  
**SUNGAI JELALONG**

# LABANG WATER TREATMENT PLANT

**DESIGN CAPACITY (MLD)**  
**0.65**

**YEAR OF COMMISSION**  
**1995**

**ESTIMATED POPULATION SERVED**  
**430**

**ACTIVE METER CONNECTION (NOS.)**  
**86**



**AREA SERVED**  
**LABANG AREA AND**  
**SURROUNDING AREAS INCLUDING SK LABANG**

**INTAKE SOURCE**  
**SUNGAI BATANG KEMENA**

# SANGAN WATER TREATMENT PLANT



## **DESIGN CAPACITY (MLD)**

**0.65**

## **YEAR OF COMMISSION**

**1999**

## **ESTIMATED POPULATION SERVED**

**600**

## **ACTIVE METER CONNECTION (NOS.)**

**120**

## **AREA SERVED**

**SANGAN TOWN AND SURROUNDING AREAS INCLUDING SK SANGAN IBAN**

## **INTAKE SOURCE**

**SUNGAI ANAP**



**MIRI**

# SUAI WATER TREATMENT PLANT



## **DESIGN CAPACITY (MLD)**

**30**

## **YEAR OF COMMISSION**

**2013**

## **ESTIMATED POPULATION SERVED**

**40,320**

## **ACTIVE METER CONNECTION (NOS.)**

**8064**

## **AREA SERVED**

**NGU, PAN BORNEO ROAD FROM JUNCTION NGU TO RH ROBERT SUAI, FEEDER ROAD NIAH, SKIM RANCANGAN SEPUPOK, PASAR SEPUPOK, SKALOH AREA, JALAN ULU NIAH, LADANG 3, PASAR BATU NIAH, KUALA LAJONG, KUALA SUAI, SAEH – KUALA SIBUTI (BEKENU)**

## **INTAKE SOURCE**

**SUNGAI NIAH**

# MARUDI WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**12**

**YEAR OF COMMISSION**

**2005**

**ESTIMATED POPULATION SERVED**

**16,880**

**ACTIVE METER CONNECTION (NOS.)**

**3376**

**AREA SERVED**

**MARUDI TOWN, KPG NARUM, KPG RIDAN, KPG PEMINDAHAN, SMK MARUDI, SMK TELANG USAN, TMN DAH YUH, KPG CINA, RPR SG PASIR, SETAPANG, POYUT, LUBOK NIBONG AND SURROUNDING AREAS**

**INTAKE SOURCE**

**SUNGAI BARAM**

# TINJAR WATER TREATMENT PLANT



**DESIGN CAPACITY (MLD)**

**3**

**YEAR OF COMMISSION**

**2016**

**ESTIMATED POPULATION SERVED**

**705**

**ACTIVE METER CONNECTION (NOS.)**

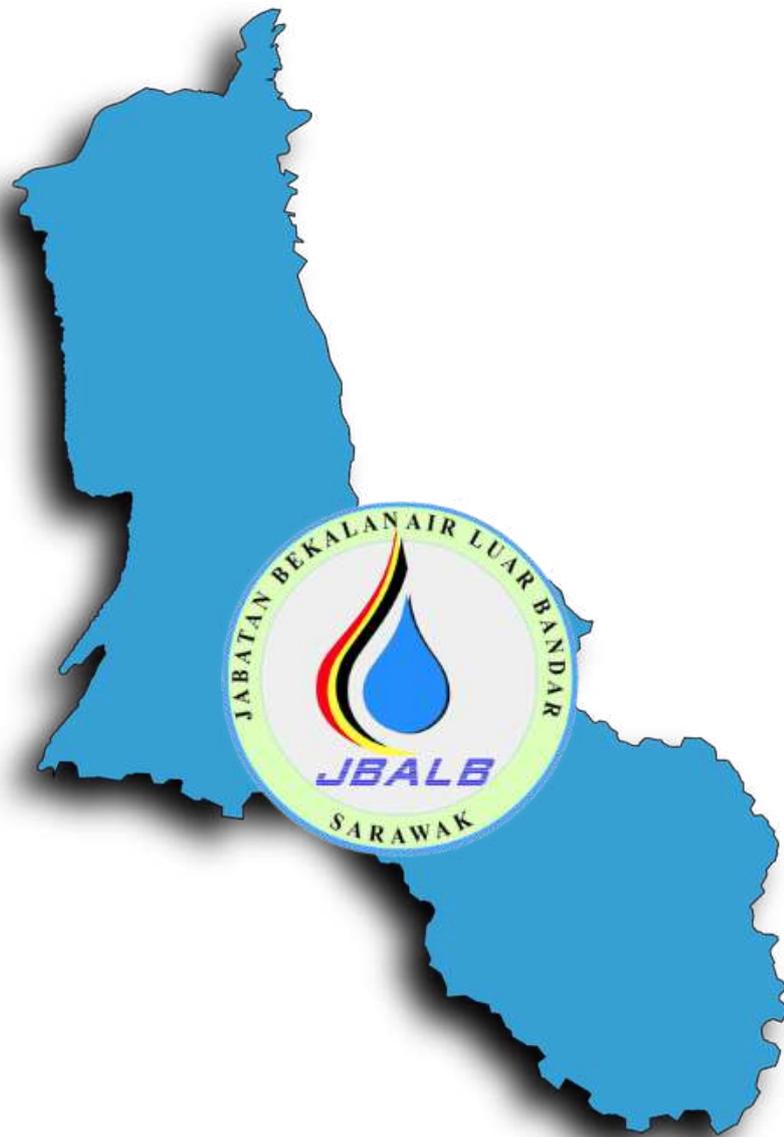
**141**

**AREA SERVED**

**LAPOK TOWN, RH AGNES, SMK TINJAR, SK LAPOK AND  
SURROUNDING AREAS**

**INTAKE SOURCE**

**SUNGAI TINJAR**



# LIMBANG

# TRUSAN WATER TREATMENT PLANT (Module 1 & 2)



## **DESIGN CAPACITY (MLD)**

**20.000**

## **YEAR OF COMMISSION**

**2013 (MODULE 1)**

**2023 (MODULE 2)**

## **ESTIMATED POPULATION SERVED**

**29,715 (MODULE 1)**

**29,840 (MODULE 2)**

## **ACTIVE METER CONNECTION (NOS.)**

**5,835 (MODULE 1)**

**5,968 (MODULE 2)**

## **AREA SERVED**

**TRUSAN, ULU TRUSAN, LONG TEMAROB, ICQ MENGKALAP, GELAPAS, SUNDAR, AWAT-AWAT, BATU 3/QTRS POLIS, SMK LAWAS, LAWAS TOWN, RPR II/BANTING, JALAN PULAU SALAM, SEBERANG KEDAI, LADANG BARU, PENGALIH, SURABAYA, JALAN LAWAS DAMIT, LONG TUMA**

## **INTAKE SOURCE**

**BATANG TRUSAN**

# MERAPOK WATER TREATMENT PLANT (Module 1 & 2)



## AREA SERVED

**MERAPOK, KAMPUNG BANGKATAN,  
KAMPUNG PATARIKAN, SMK MERAPOK,  
SK MERAPOK, KEDAI LAMA MERAPOK**

## INTAKE SOURCE

**SUNGAI SILA**

## DESIGN CAPACITY (MLD)

**0.8 (MODULE 1)**

**2.0 (MODULE 2)**

## YEAR OF COMMISSION

**1983 (MODULE 1)**

**2022 (MODULE 2)**

## ESTIMATED POPULATION SERVED

**1,080 (MODULE 1 & 2)**

## ACTIVE METER CONNECTION (NOS.)

**239 (MODULE 1 & 2)**

# GELUGUS WATER TREATMENT PLANT

## DESIGN CAPACITY (MLD)

**5**

## YEAR OF COMMISSION

**2020**

## ESTIMATED POPULATION SERVED

**3,895**

## ACTIVE METER CONNECTION (NOS.)

**779**



## AREA SERVED

**GELUGUS, JALAN PUNANG,  
KAMPUNG PUNANG, KUALA LAWAS**

## INTAKE SOURCE

**SUNGAI GAYA**



# **SETINGGI PENGHARGAAN & TERIMA KASIH**

**Cawangan Komunikasi Korporat  
(Sektor Khidmat Teknikal)  
Ibu Pejabat JBALB Sarawak**

*dengan kerjasama*



**Cawangan Pengeluaran dan Pengurusan Empangan  
Cawangan Pengagihan dan Non-Revenue Water**

**Cawangan Aset  
(Sektor Operasi)**

**Ibu Pejabat JBALB Sarawak**

*serta*



**Jurutera Air JBALB Bahagian dan warga kerja  
JBALB Bahagian di seluruh Sarawak**



**JABATAN BEKALAN AIR LUAR BANDAR SARAWAK (Ibu Pejabat)**  
Tingkat Mezzanine & 1, No. 55, Bangunan ST3, Jalan Simpang 3,  
93350 Kuching Sarawak.



<https://jbalb.sarawak.gov.my>



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