



**MENTERI PERTANIAN  
REPUBLIK INDONESIA**

**KEPUTUSAN MENTERI PERTANIAN REPUBLIK INDONESIA  
NOMOR 48/Kpts./KB.010/E/06/2025**

**TENTANG  
PELEPASAN VARIETAS KLON NUSAKLON 2  
SEBAGAI VARIETAS UNGGUL TANAMAN KELAPA SAWIT**

**DENGAN RAHMAT TUHAN YANG MAHA ESA**

**MENTERI PERTANIAN REPUBLIK INDONESIA,**

- Menimbang : a. bahwa dalam rangka pelepasan varietas tanaman telah diterbitkan Peraturan Menteri Pertanian Nomor 19 Tahun 2021 tentang Sumber Daya Genetik dan Pelepasan Varietas Tanaman Perkebunan dan Peraturan Menteri Pertanian Nomor 23 Tahun 2023 tentang Perubahan atas Peraturan Menteri Pertanian Nomor 38 Tahun 2019 tentang Pelepasan Varietas Tanaman;
- b. bahwa Tim Penilai Varietas Tanaman Perkebunan yang ditetapkan dengan Keputusan Direktur Jenderal Perkebunan Nomor 97/Kpts/OT.050/08/2024 telah melaksanakan sidang pelepasan varietas tanaman perkebunan pada tanggal 4 sampai dengan 6 November 2024;
- c. bahwa tanaman kelapa sawit Klon NUSAKlon 2 mempunyai keunggulan potensi produksi *crude palm oil* (CPO) tinggi  $11,8 \pm 2,9$  ton/ha/tahun, kualitas minyak baik dengan *iodine value*  $56,20 \pm 2,62$ , dan berat berondolan/bobot biji  $12,4 \pm 2,2$  g;
- d. bahwa tanaman kelapa sawit Klon NUSAKlon 2 yang diusulkan oleh Pusat Penelitian Kelapa Sawit, PT Riset Perkebunan Nusantara telah disetujui untuk dilepas;
- e. bahwa berdasarkan pertimbangan sebagaimana dimaksud dalam huruf a, huruf b, huruf c, dan huruf d perlu menetapkan Keputusan Menteri Pertanian tentang Pelepasan Kelapa Sawit Klon NUSAKlon 2 Sebagai Varietas Unggul Tanaman Kelapa Sawit;

- Mengingat : 1. Undang-Undang Nomor 29 Tahun 2000 tentang Perlindungan Varietas Tanaman (Lembaran Negara Republik Indonesia Tahun 2000 Nomor 241, Tambahan Lembaran Negara Republik Indonesia Nomor 4043) sebagaimana telah diubah dengan Undang-Undang Nomor 6 Tahun 2023 tentang Penetapan Peraturan Pemerintah Pengganti Undang-Undang Nomor 2 Tahun 2022 tentang Cipta Kerja menjadi Undang-Undang (Lembaran Negara Republik Indonesia Tahun 2023 Nomor 41, Tambahan Lembaran Negara Republik Indonesia Nomor 6856);
2. Undang-Undang Nomor 39 Tahun 2014 tentang Perkebunan (Lembaran Negara Republik Indonesia Tahun 2014 Nomor 308, Tambahan Lembaran Negara Republik Indonesia Nomor 5613) sebagaimana telah diubah dengan Undang-Undang Nomor 6 Tahun 2023 tentang Penetapan Peraturan Pemerintah Pengganti Undang-Undang Nomor 2 Tahun 2022 tentang Cipta Kerja menjadi Undang-Undang (Lembaran Negara Republik Indonesia Tahun 2023 Nomor 41, Tambahan Lembaran Negara Republik Indonesia Nomor 6856);
3. Undang-Undang Nomor 22 Tahun 2019 tentang Sistem Budi Daya Pertanian Berkelanjutan (Lembaran Negara Republik Indonesia Tahun 2019 Nomor 201, Tambahan Lembaran Negara Republik Indonesia Nomor 6412);
4. Peraturan Pemerintah Nomor 44 Tahun 1995 tentang Perbenihan Tanaman (Lembaran Negara Republik Indonesia Tahun 1995 Nomor 85, Tambahan Lembaran Negara Republik Indonesia Nomor 3616);
5. Peraturan Pemerintah Nomor 26 Tahun 2021 tentang Penyelenggaraan Bidang Pertanian Lembaran Negara Republik Indonesia Tahun 2021 Nomor 36, Tambahan Lembaran Negara Republik Indonesia Nomor 6638) sebagaimana telah diubah dengan Peraturan Pemerintah Nomor 52 Tahun 2023 tentang Perubahan atas Peraturan Pemerintah Nomor 26 Tahun 2021 tentang Penyelenggaraan Bidang Pertanian (Lembaran Negara Republik Indonesia Tahun 2023 Nomor 147, Tambahan Lembaran Negara Republik Indonesia Nomor 6900);
6. Peraturan Presiden Nomor 140 Tahun 2024 tentang Perubahan atas Peraturan Presiden Nomor 68 Tahun 2019 tentang Organisasi Kementerian Negara (Lembaran Negara Republik Indonesia Tahun 2024 Nomor 250);
7. Peraturan Presiden Nomor 192 Tahun 2024 tentang Kementerian Pertanian (Lembaran Negara Republik Indonesia Tahun 2024 Nomor 389);

8. Keputusan Presiden Nomor 133/P Tahun 2024 tentang Pembentukan Kementerian Negara dan Pengangkatan Menteri Negara Kabinet Merah Putih Periode Tahun 2024-2029;
9. Peraturan Menteri Pertanian Nomor 50/Permentan/KB.020/9/2015 tentang Produksi, Sertifikasi, Peredaran dan Pengawasan Benih Tanaman Perkebunan (Berita Negara Republik Indonesia Tahun 2015 Nomor 1415);
10. Peraturan Menteri Pertanian Nomor 38 Tahun 2019 tentang Pelepasan Varietas Tanaman (Berita Negara Nomor 844 tahun 2019) sebagaimana telah diubah dengan Peraturan Menteri Pertanian Nomor 23 Tahun 2023 tentang Perubahan atas Peraturan Menteri Pertanian Nomor 38 Tahun 2019 tentang Pelepasan Varietas Tanaman (Berita Negara Republik Indonesia Tahun 2023 Nomor 391);
11. Peraturan Menteri Pertanian Nomor 19 Tahun 2021 tentang Sumber Daya Genetik dan Pelepasan Varietas Tanaman Perkebunan (Berita Negara Republik Indonesia Tahun 2021 Nomor 500);
12. Peraturan Menteri Pertanian Nomor 02 Tahun 2025 tentang Organisasi dan Tata Kerja Kementerian Pertanian (Berita Negara Republik Indonesia Tahun 2025 Nomor 14);
13. Keputusan Menteri Pertanian Nomor 591.1/Kpts/HK.140/M/9/2020 tentang Komoditas Binaan Kementerian Pertanian;
14. Keputusan Direktur Jenderal Perkebunan Nomor 97/Kpts/OT.050/08/2024 tentang Tim Penilai Varietas Tanaman Perkebunan;

MEMUTUSKAN:

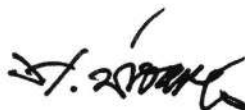
Menetapkan :

- KESATU : Melepas Klon NUSAKlon 2 sebagai Varietas Unggul Tanaman Kelapa Sawit.
- KEDUA : Deskripsi Klon NUSAKlon 2, Materi Genetik, dan Lokasi Materi Genetik Penghasil Klon NUSAKlon 2 sebagaimana dimaksud pada diktum KESATU tercantum dalam Lampiran yang merupakan bagian tidak terpisahkan dari Keputusan Menteri ini.

- KETIGA : Pengusul berkewajiban menyediakan benih kelapa sawit Klon NUSAklon 2 sebagai benih sebar untuk pengembangan di pertanaman komersial.
- KEEMPAT : Keputusan Menteri ini mulai berlaku pada tanggal ditetapkan.

Ditetapkan di Jakarta  
Pada tanggal, 12 Juni 2025

a.n. MENTERI PERTANIAN  
REPUBLIK INDONESIA  
Plt. DIREKTUR JENDERAL PERKEBUNAN,



HERU TRI WIDARTO

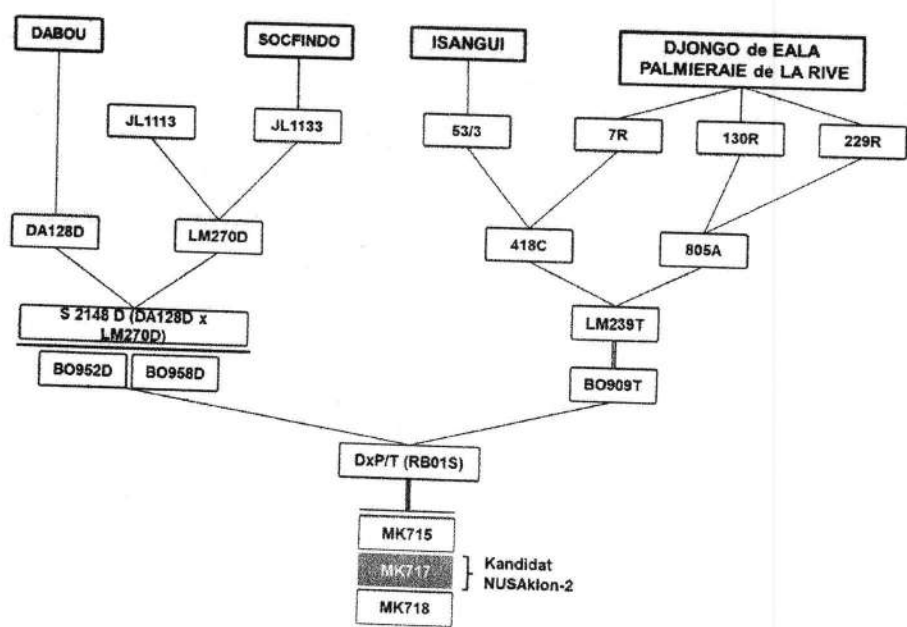
Salinan Keputusan Menteri ini disampaikan Kepada Yth.:

1. Menteri Koordinator Bidang Perekonomian;
2. Menteri Dalam Negeri;
3. Menteri Perindustrian;
4. Menteri Perdagangan;
5. Menteri Riset, Teknologi dan Pendidikan Tinggi;
6. Kepala Badan Pengkajian dan Penerapan Teknologi;
7. Kepala Badan Riset dan Inovasi Nasional;
8. Direktur Jenderal Pendidikan Tinggi, Kementerian Riset, Teknologi dan Pendidikan Tinggi;
9. Pimpinan Unit Kerja Eselon I di Lingkungan Kementerian Pertanian;
10. Gubernur di Seluruh Indonesia;
11. Kepala Dinas yang membidangi perkebunan di seluruh Indonesia;
12. Kepala Pusat Standardisasi Instrumen Perkebunan;
13. Kepala Balai Besar Perbenihan dan Proteksi Tanaman Perkebunan (BBPPTP) Surabaya;
14. Kepala Balai Besar Perbenihan dan Proteksi Tanaman Perkebunan (BBPPTP) Medan;
15. Kepala Balai Besar Perbenihan dan Proteksi Tanaman Perkebunan (BBPPTP) Ambon;
16. Kepala Pusat Penelitian Kelapa Sawit, PT Riset Perkebunan Nusantara.

LAMPIRAN I  
KEPUTUSAN MENTERI PERTANIAN  
REPUBLIK INDONESIA  
NOMOR 48/Kpts./KB.010/E/06/2025  
TENTANG PELEPASAN VARIETAS  
KLON NUSAKLON 2 SEBAGAI  
VARIETAS UNGGUL TANAMAN  
KELAPA SAWIT

DESKRIPSI KELAPA SAWIT VARIETAS KLON NUSAKLON 2

Silsilah dan informasi genetik  
Asal : DxP Yangambi.  
Tipe varietas : Klon.  
Silsilah :



Sifat Morfologi dan Fisiologi  
Tanaman  
Bentuk : Normal.  
Ukuran tajuk (LAI) :  $6,2 \pm 1,3$ .  
Kecepatan meninggi (cm/tahun) :  $75,01 \pm 5,10$ .  
Batang  
Susunan pelepah : Spiral ke kanan.  
Posisi : Tegak.  
Daun  
Warna utama pupus : Hijau.  
Warna hijau utama permukaan atas daun : Hijau tua.  
Warna hijau utama permukaan bawah daun : Hijau muda.  
Keberadaan lapisan lilin pada permukaan bawah daun : Tidak ada.

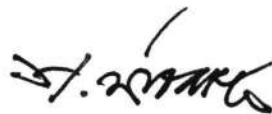


|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Pelepah Daun                     |                                            |
| Warna                            | : Hijau kekuningan.                        |
| Panjang (cm)                     | : $513,2 \pm 60,3$ (sedang).               |
| Keberadaan bulu                  | : Ada.                                     |
| Pangkal Pelepah                  |                                            |
| Warna                            | : Kuning kecoklatan.                       |
| Bentuk pangkal pelepah           | : Gemuk.                                   |
| Keberadaan duri                  | : Ada.                                     |
| Kerapatan duri                   | : Agak rapat.                              |
| Ketajaman duri                   | : Tajam.                                   |
| Warna duri                       | : Hijau kekuningan.                        |
| Bentuk duri                      | : Lurus.                                   |
| Kedudukan duri                   | : Sejajar.                                 |
| Panjang duri                     | : $6,4 \pm 0,13$ (sedang).                 |
| Kekakuan                         | : Kaku.                                    |
| Anak Daun                        |                                            |
| Jumlah (lembar)                  | : $166 \pm 24,8$ .                         |
| Kelenturan                       | : Lentur.                                  |
| Bentuk                           | : Ramping runcing.                         |
| Panjang (cm)                     | : $97,8 \pm 12,0$ .                        |
| Lebar (cm)                       | : $5,8 \pm 0,79$ .                         |
| Posisi                           | : Berselang-seling.                        |
| Kemengkilatan                    | : Kusam.                                   |
| Tekstur                          | : Halus.                                   |
| Warna lidi                       | : Hijau.                                   |
| Bunga Jantan                     |                                            |
| Bentuk                           | : Manset.                                  |
| Panjang spikelet (cm)            | : $20,31 \pm 2,40$ (sedang).               |
| Bunga Betina                     |                                            |
| Warna mahkota                    | : <i>Brilliant orange</i> 29A.             |
| Warna kelopak                    | : <i>Light orange yellow</i> 16C.          |
| Tandan                           |                                            |
| Rerata bobot (kg/tandan)         | : $15,4 \pm 2,5$ .                         |
| Panjang tangkai tandan (cm)      | : $33,00 \pm 0,5$ .                        |
| Bentuk                           | : Bulat telur sungsang.                    |
| Keberadaan duri                  | : Ada.                                     |
| Jumlah duri per tandan (buah)    | : $133 \pm 9$ (kerapatan duri agak rapat). |
| Ketajaman duri                   | : Tajam.                                   |
| Panjang duri                     | : Sedang.                                  |
| Warna duri                       | : <i>Strong yellow green</i> 144A.         |
| Keberadaan bulu pada duri        | : Ada.                                     |
| Jumlah tandan/tanaman/tahun      | : $16 \pm 3,0$ .                           |
| Buah                             |                                            |
| Berat berondolan (g)             | : $12,35 \pm 2,24$ .                       |
| Warna kulit buah matang          | : Oranye merah.                            |
| Bentuk                           | : Bulat lonjong.                           |
| Tipe                             | : Normal.                                  |
| Permukaan ujung buah             | : Cembung.                                 |
| Daging Buah                      |                                            |
| Warna                            | : <i>Strong orange yellow</i> N163C.       |
| Persentase mesocarp per buah (%) | : $87,8 \pm 6,7$ (tinggi).                 |

|                                                                        |                                                                                                                                                  |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Keberadaan serat                                                       | : Ada.                                                                                                                                           |
| Biji                                                                   |                                                                                                                                                  |
| Mayoritas jumlah inti per buah                                         | : Satu.                                                                                                                                          |
| Warna                                                                  | : Hitam.                                                                                                                                         |
| Bentuk                                                                 | : Runcing.                                                                                                                                       |
| Posisi kernel dalam buah                                               | : Tengah.                                                                                                                                        |
| Bobot biji (g)                                                         | : $2,23 \pm 0,36$ .                                                                                                                              |
| Posisi kernel dalam buah                                               | : Tengah.                                                                                                                                        |
| Ukuran                                                                 | : Kecil.                                                                                                                                         |
| Cangkang                                                               |                                                                                                                                                  |
| Keberadaan cangkang                                                    | : Ada.                                                                                                                                           |
| Ketebalan cangkang (mm)                                                | : $1,46 \pm 0,43$ .                                                                                                                              |
| Persentase cangkang per buah (%)                                       | : $15,8 \pm 4,0$ .                                                                                                                               |
| Persentase kernel per buah (%)                                         | : $9,2 \pm 2,2$ .                                                                                                                                |
| Produksi, Komponen Tandan, Kualitas Minyak, dan Sifat Lainnya          |                                                                                                                                                  |
| Rerata Hasil (TM2-TM5)                                                 |                                                                                                                                                  |
| Rerata jumlah tandan (tandan/tahun)                                    | : $17 \pm 4,2$ .                                                                                                                                 |
| Rerata bobot tandan (kg/tandan)                                        | : $11,7 \pm 3,5$ .                                                                                                                               |
| Rerata TBS (kg/pohon/tahun)                                            | : $193,9 \pm 67,0$ .                                                                                                                             |
| Rerata Produksi tandan (ton/ha/tahun)                                  | : $27,7 \pm 2,2$ .                                                                                                                               |
| Rerata Berat berondolan (g)                                            | : $12,4 \pm 2,3$ .                                                                                                                               |
| Rerata Inti per buah (%)                                               | : $9,2 \pm 2,2$ .                                                                                                                                |
| Rerata Mesokarp per buah (%)                                           | : $87,8 \pm 5,8$ .                                                                                                                               |
| Rerata Minyak per mesokarp kering (%)                                  | : $83,5 \pm 3,3$ .                                                                                                                               |
| Rerata produksi CPO (ton/ha/tahun)                                     | : $7,6 \pm 2,6$ .                                                                                                                                |
| Rerata produksi minyak (ton/ha/tahun)                                  | : $8,4 \pm 2,9$ .                                                                                                                                |
| Rerata Rendemen minyak (OER) (%)                                       | : $27,6 \pm 4,0$ .                                                                                                                               |
| Potensi Hasil (umur 8 tahun/TM 5)                                      |                                                                                                                                                  |
| Jumlah tandan (tandan/tahun)                                           | : $16,0 \pm 4,2$ .                                                                                                                               |
| Bobot tandan (kg/tandan)                                               | : $15,4 \pm 2,5$ .                                                                                                                               |
| Bobot TBS (kg/pohon/tahun)                                             | : $242,6 \pm 63,7$ .                                                                                                                             |
| Produksi TBS (ton/ha/tahun)                                            | : $34,7 \pm 10,5$ .                                                                                                                              |
| Berat berondolan buah (g)                                              | : $12,4 \pm 2,2$ .                                                                                                                               |
| Inti per buah (%)                                                      | : $9,8 \pm 2,4$ .                                                                                                                                |
| Mesokarp per buah (%)                                                  | : $89,9 \pm 4,4$ .                                                                                                                               |
| Minyak per mesokarp kering (%)                                         | : $84,4 \pm 3,0$ .                                                                                                                               |
| Potensi produksi CPO (ton/ha/tahun)                                    | : $11,8 \pm 2,9$ .                                                                                                                               |
| Produksi hasil minyak (ton/ha/tahun)                                   | : $12,8 \pm 3,2$ .                                                                                                                               |
| Minyak per tandan (%)                                                  | : $33,9 \pm 2,2$ .                                                                                                                               |
| Ketahanan terhadap organisme pengganggu tanaman dan cekaman lingkungan | : Selama pengujian tidak mengalami <i>outbreak</i> serangan hama atau penyakit dan tidak menunjukkan gejala kerusakan karena cekaman lingkungan. |

|                        |                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Keterangan tambahan    | : Ditanam dengan kerapatan 143 pohon/ha.                                                                                                                                                                                                                           |
| Rekomendasi penanaman  | : Penanaman NUSaklon 2 dapat dilakukan monoklon atau dapat juga dilakukan bersamaan dengan NUSaklon 1 dengan cara setiap 1 baris tanaman NUSaklon 2 dapat diselingi dengan 4 baris tanaman NUSaklon 1.                                                             |
| Kualitas minyak        |                                                                                                                                                                                                                                                                    |
| Asam Lemak             |                                                                                                                                                                                                                                                                    |
| Asam Lemak Tidak Jenuh |                                                                                                                                                                                                                                                                    |
| C18:1 Asam Oleat       | : $35,49 \pm 2,04$ .                                                                                                                                                                                                                                               |
| C18:2 Asam Linoleat    | : $11,14 \pm 0,89$ .                                                                                                                                                                                                                                               |
| C18:3 Asam Linolenat   | : $0,13 \pm 0,05$ .                                                                                                                                                                                                                                                |
| Asam Lemak Jenuh       |                                                                                                                                                                                                                                                                    |
| C18:0 Asam Stearat     | : $5,33 \pm 1,08$ .                                                                                                                                                                                                                                                |
| C16:0 Asam Palmitat    | : $46,23 \pm 2,33$ .                                                                                                                                                                                                                                               |
| C14:0 Asam Miristat    | : $1,09 \pm 0,25$ .                                                                                                                                                                                                                                                |
| Beta-Karoten           | : $509,2 \pm 134,01$ .                                                                                                                                                                                                                                             |
| Bilangan Iodine        | : $56,20 \pm 2,62$ .                                                                                                                                                                                                                                               |
| Vitamin E              | : $1.077,32 \pm 206,25$ .                                                                                                                                                                                                                                          |
| Skualena               | : $497,69 \pm 277,2$ .                                                                                                                                                                                                                                             |
| Tim Pemulia            | : Abdul Razak Purba, Edy Suprianto, Ernayunita, Yurna Yenni, Hernawan Yuli Rahmadi, Sri Wening, Retno Diah Setiowati, Erwin Nazri, Arfan Nazhri Simamora, Dian Rahma Pratiwi, Sujadi, Nanang Supena, Mohamad Arif, Heri Adriwan Siregar, Ikhwan Fadli Pangaribuan. |
| Tim Agronomi           | : Iman Yani Harahap, Taufiq Caesar Hidayat.                                                                                                                                                                                                                        |
| Pemilik varietas       | : Pusat Penelitian Kelapa Sawit, PT. Riset Perkebunan Nusantara.                                                                                                                                                                                                   |

a.n. MENTERI PERTANIAN  
REPUBLIK INDONESIA  
Plt. DIREKTUR JENDERAL PERKEBUNAN,



HERU TRI WIDARTO



LAMPIRAN II

KEPUTUSAN MENTERI PERTANIAN  
REPUBLIK INDONESIA

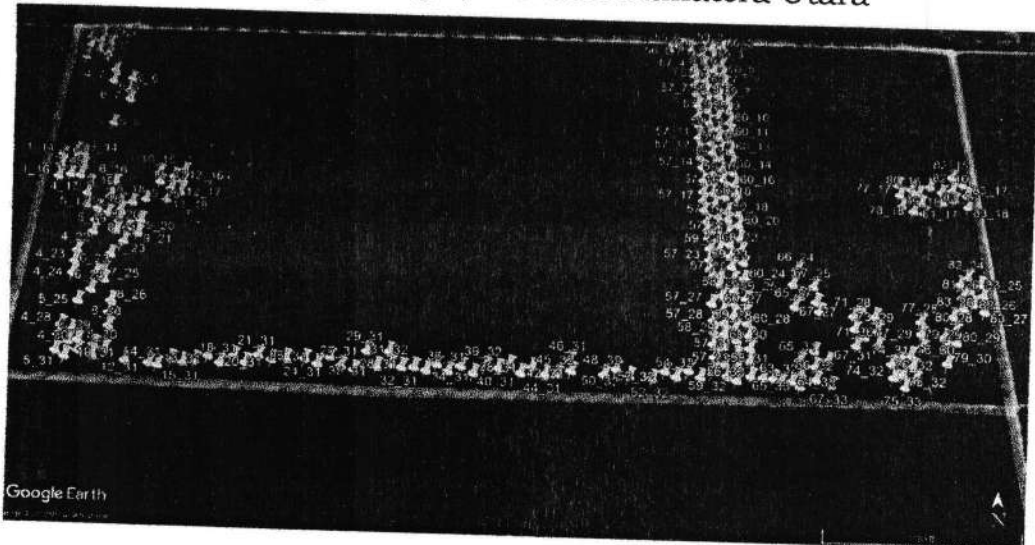
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TENTANG PELEPASAN VARIETAS  
KLON NUSAKLON 2 SEBAGAI  
VARIETAS UNGGUL TANAMAN  
KELAPA SAWIT

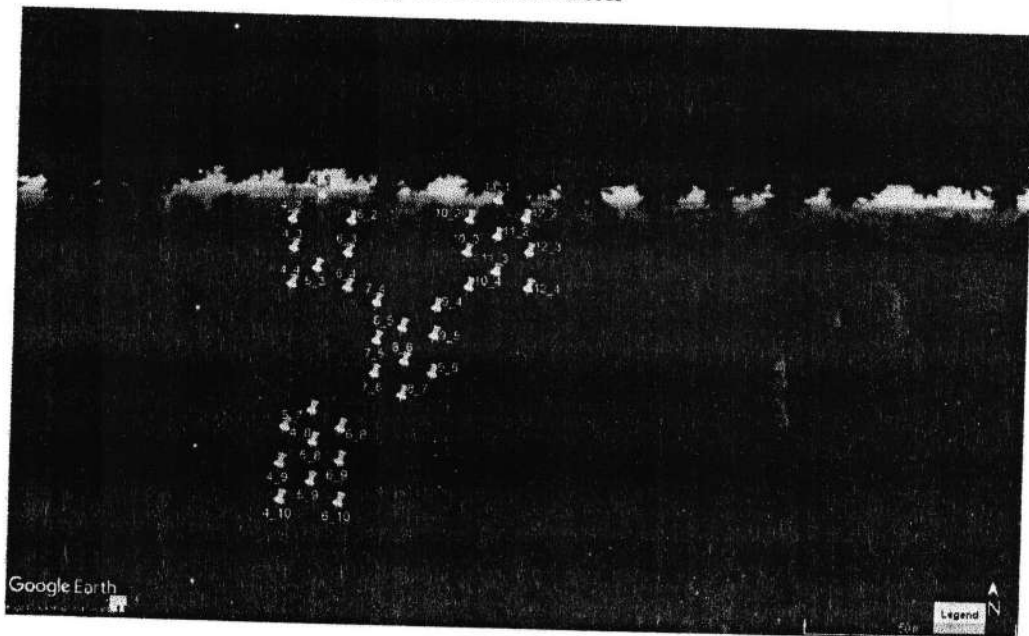
MATERI GENETIK DAN LOKASI  
KELAPA SAWIT PENGHASIL KLON NUSAKLON 2

A. PETA LOKASI POHON ORTET KLON NUSAKLON 2

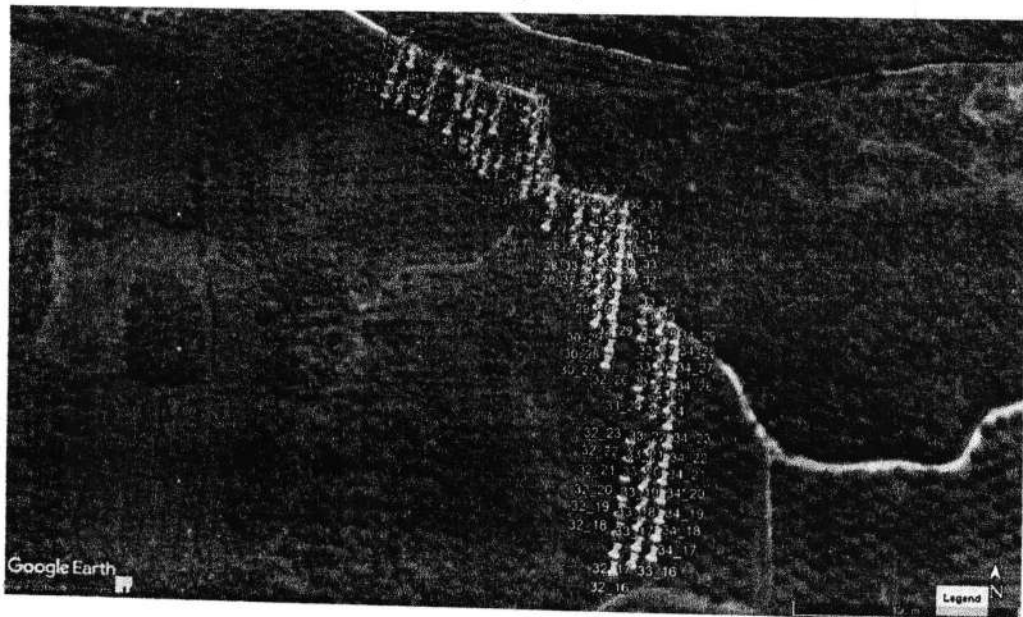
1. Kebun Adolina berlokasi di Desa Adolina, Kecamatan Perbaungan, Kabupaten Serdang Bedagai, Provinsi Sumatera Utara



2. Kebun Kaliaanta berlokasi di Desa Kabun, Kecamatan Kabun, Kabupaten Rokan Hulu, Provinsi Riau



- Kebun Sarolangun berlokasi di Desa Ladang Panjang, Kecamatan Sarolangun, Kabupaten Sarolangun, Provinsi Jambi



#### B. TITIK KOORDINAT POHON ORTET KLON NUSAKLON 2

- Kebun Adolina berlokasi di Desa Adolina, Kecamatan Perbaungan, Kabupaten Serdang Bedagai, Provinsi Sumatera Utara

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 1   | AD22S           | 2016        | 6          | 65_25       | 98°56'28.68"E   | 3°33'27.15"N |
| 2   | AD22S           | 2016        | 6          | 65_27       | 98°56'28.68"E   | 3°33'26.62"N |
| 3   | AD22S           | 2016        | 5          | 65_31       | 98°56'28.68"E   | 3°33'25.38"N |
| 4   | AD22S           | 2016        | 5          | 65_32       | 98°56'28.68"E   | 3°33'25.07"N |
| 5   | AD22S           | 2016        | 5          | 65_33       | 98°56'28.64"E   | 3°33'24.79"N |
| 6   | AD22S           | 2016        | 6          | 66_24       | 98°56'28.81"E   | 3°33'27.52"N |
| 7   | AD22S           | 2016        | 6          | 66_26       | 98°56'28.82"E   | 3°33'26.88"N |
| 8   | AD22S           | 2016        | 5          | 66_30       | 98°56'29.01"E   | 3°33'25.61"N |
| 9   | AD22S           | 2016        | 5          | 66_31       | 98°56'29.00"E   | 3°33'25.25"N |
| 10  | AD22S           | 2016        | 5          | 66_32       | 98°56'28.99"E   | 3°33'24.96"N |
| 11  | AD22S           | 2016        | 6          | 67_25       | 98°56'29.13"E   | 3°33'27.11"N |
| 12  | AD22S           | 2016        | 6          | 67_26       | 98°56'29.15"E   | 3°33'26.74"N |
| 13  | AD22S           | 2016        | 6          | 67_27       | 98°56'29.21"E   | 3°33'26.52"N |
| 14  | AD22S           | 2016        | 5          | 67_31       | 98°56'29.28"E   | 3°33'25.39"N |
| 15  | AD22S           | 2016        | 5          | 67_33       | 98°56'29.29"E   | 3°33'24.84"N |
| 16  | AD22S           | 2016        | 6          | 71_28       | 98°56'29.93"E   | 3°33'26.44"N |
| 17  | AD22S           | 2016        | 6          | 71_29       | 98°56'29.92"E   | 3°33'26.14"N |
| 18  | AD22S           | 2016        | 6          | 71_30       | 98°56'29.91"E   | 3°33'25.75"N |
| 19  | AD22S           | 2016        | 6          | 72_27       | 98°56'30.11"E   | 3°33'26.57"N |
| 20  | AD22S           | 2016        | 6          | 72_29       | 98°56'30.10"E   | 3°33'25.96"N |
| 21  | AD22S           | 2016        | 6          | 73_28       | 98°56'30.38"E   | 3°33'26.44"N |
| 22  | AD22S           | 2016        | 6          | 73_29       | 98°56'30.38"E   | 3°33'26.11"N |
| 23  | AD22S           | 2016        | 6          | 73_30       | 98°56'30.37"E   | 3°33'25.77"N |
| 24  | AD22S           | 2016        | 5          | 74_30       | 98°56'30.59"E   | 3°33'25.66"N |
| 25  | AD22S           | 2016        | 5          | 74_31       | 98°56'30.62"E   | 3°33'25.36"N |
| 26  | AD22S           | 2016        | 5          | 74_32       | 98°56'30.62"E   | 3°33'25.06"N |

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 27  | AD22S           | 2016        | 5          | 75_31       | 98°56'30.82"E   | 3°33'25.44"N |
| 28  | AD22S           | 2016        | 5          | 75_32       | 98°56'30.82"E   | 3°33'25.12"N |
| 29  | AD22S           | 2016        | 5          | 75_33       | 98°56'30.83"E   | 3°33'24.84"N |
| 30  | AD22S           | 2016        | 5          | 76_30       | 98°56'31.05"E   | 3°33'25.57"N |
| 31  | AD22S           | 2016        | 5          | 76_31       | 98°56'31.06"E   | 3°33'25.32"N |
| 32  | AD22S           | 2016        | 5          | 76_32       | 98°56'31.07"E   | 3°33'25.03"N |
| 33  | AD22S           | 2016        | 6          | 77_16       | 98°56'31.27"E   | 3°33'29.86"N |
| 34  | AD22S           | 2016        | 6          | 77_17       | 98°56'31.29"E   | 3°33'29.58"N |
| 35  | AD22S           | 2016        | 6          | 77_18       | 98°56'31.30"E   | 3°33'29.27"N |
| 36  | AD22S           | 2016        | 5          | 77_28       | 98°56'31.36"E   | 3°33'26.35"N |
| 37  | AD22S           | 2016        | 5          | 77_29       | 98°56'31.35"E   | 3°33'26.07"N |
| 38  | AD22S           | 2016        | 5          | 77_30       | 98°56'31.32"E   | 3°33'25.76"N |
| 39  | AD22S           | 2016        | 6          | 78_16       | 98°56'31.57"E   | 3°33'29.74"N |
| 40  | AD22S           | 2016        | 6          | 78_17       | 98°56'31.55"E   | 3°33'29.47"N |
| 41  | AD22S           | 2016        | 6          | 78_18       | 98°56'31.55"E   | 3°33'29.14"N |
| 42  | AD22S           | 2016        | 6          | 79_16       | 98°56'31.73"E   | 3°33'29.63"N |
| 43  | AD22S           | 2016        | 6          | 79_17       | 98°56'31.75"E   | 3°33'29.37"N |
| 44  | AD22S           | 2016        | 6          | 79_18       | 98°56'31.79"E   | 3°33'29.09"N |
| 45  | AD22S           | 2016        | 5          | 79_28       | 98°56'31.82"E   | 3°33'26.00"N |
| 46  | AD22S           | 2016        | 5          | 79_29       | 98°56'31.79"E   | 3°33'25.75"N |
| 47  | AD22S           | 2016        | 5          | 79_30       | 98°56'31.79"E   | 3°33'25.40"N |
| 48  | AD22S           | 2016        | 5          | 80_16       | 98°56'32.01"E   | 3°33'29.83"N |
| 49  | AD22S           | 2016        | 5          | 80_27       | 98°56'32.06"E   | 3°33'26.49"N |
| 50  | AD22S           | 2016        | 5          | 80_28       | 98°56'32.06"E   | 3°33'26.15"N |
| 51  | AD22S           | 2016        | 5          | 80_29       | 98°56'32.05"E   | 3°33'25.88"N |
| 52  | AD22S           | 2016        | 5          | 81_16       | 98°56'32.26"E   | 3°33'29.69"N |
| 53  | AD22S           | 2016        | 6          | 81_25       | 98°56'32.32"E   | 3°33'27.26"N |
| 54  | AD22S           | 2016        | 6          | 81_26       | 98°56'32.32"E   | 3°33'26.94"N |
| 55  | AD22S           | 2016        | 6          | 81_27       | 98°56'32.31"E   | 3°33'26.67"N |
| 56  | AD22S           | 2016        | 5          | 82_15       | 98°56'32.56"E   | 3°33'30.11"N |
| 57  | AD22S           | 2016        | 5          | 82_17       | 98°56'32.51"E   | 3°33'29.49"N |
| 58  | AD22S           | 2016        | 6          | 82_24       | 98°56'32.51"E   | 3°33'27.43"N |
| 59  | AD22S           | 2016        | 6          | 82_25       | 98°56'32.51"E   | 3°33'27.13"N |
| 60  | AD22S           | 2016        | 6          | 82_26       | 98°56'32.53"E   | 3°33'26.79"N |
| 61  | AD22S           | 2016        | 5          | 83_16       | 98°56'32.77"E   | 3°33'29.91"N |
| 62  | AD22S           | 2016        | 5          | 83_17       | 98°56'32.82"E   | 3°33'29.62"N |
| 63  | AD22S           | 2016        | 5          | 83_18       | 98°56'32.79"E   | 3°33'29.29"N |
| 64  | AD22S           | 2016        | 6          | 83_25       | 98°56'32.75"E   | 3°33'27.27"N |
| 65  | AD22S           | 2016        | 6          | 83_26       | 98°56'32.78"E   | 3°33'26.99"N |
| 66  | AD22S           | 2016        | 6          | 83_27       | 98°56'32.75"E   | 3°33'26.62"N |
| 67  | AD22S           | 2016        | 9          | 1_2         | 98°56'12.31"E   | 3°33'33.60"N |
| 68  | AD22S           | 2016        | 9          | 1_3         | 98°56'12.33"E   | 3°33'33.33"N |
| 69  | AD22S           | 2016        | 9          | 1_4         | 98°56'12.29"E   | 3°33'32.93"N |
| 70  | AD22S           | 2016        | 9          | 1_14        | 98°56'12.30"E   | 3°33'30.04"N |
| 71  | AD22S           | 2016        | 9          | 1_15        | 98°56'12.32"E   | 3°33'29.74"N |
| 72  | AD22S           | 2016        | 9          | 1_16        | 98°56'12.32"E   | 3°33'29.43"N |
| 73  | AD22S           | 2016        | 9          | 2_1         | 98°56'12.56"E   | 3°33'33.74"N |
| 74  | AD22S           | 2016        | 9          | 2_2         | 98°56'12.57"E   | 3°33'33.45"N |
| 75  | AD22S           | 2016        | 9          | 2_3         | 98°56'12.56"E   | 3°33'33.16"N |



| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 76  | AD22S           | 2016        | 9          | 2_13        | 98°56'12.62"E   | 3°33'30.15"N |
| 77  | AD22S           | 2016        | 9          | 2_14        | 98°56'12.60"E   | 3°33'29.85"N |
| 78  | AD22S           | 2016        | 9          | 2_15        | 98°56'12.58"E   | 3°33'29.49"N |
| 79  | AD22S           | 2016        | 9          | 3_2         | 98°56'12.83"E   | 3°33'33.65"N |
| 80  | AD22S           | 2016        | 9          | 3_3         | 98°56'12.78"E   | 3°33'33.40"N |
| 81  | AD22S           | 2016        | 9          | 3_4         | 98°56'12.79"E   | 3°33'33.02"N |
| 82  | AD22S           | 2016        | 9          | 3_14        | 98°56'12.78"E   | 3°33'30.08"N |
| 83  | AD22S           | 2016        | 9          | 3_15        | 98°56'12.83"E   | 3°33'29.74"N |
| 84  | AD22S           | 2016        | 9          | 3_16        | 98°56'12.81"E   | 3°33'29.47"N |
| 85  | AD22S           | 2016        | 6          | 4_6         | 98°56'13.05"E   | 3°33'32.52"N |
| 86  | AD22S           | 2016        | 6          | 4_7         | 98°56'13.06"E   | 3°33'32.20"N |
| 87  | AD22S           | 2016        | 6          | 4_16        | 98°56'13.06"E   | 3°33'29.26"N |
| 88  | AD22S           | 2016        | 6          | 4_17        | 98°56'13.06"E   | 3°33'28.99"N |
| 89  | AD22S           | 2016        | 6          | 4_18        | 98°56'13.10"E   | 3°33'28.68"N |
| 90  | AD22S           | 2016        | 9          | 4_22        | 98°56'13.11"E   | 3°33'27.49"N |
| 91  | AD22S           | 2016        | 9          | 4_23        | 98°56'13.10"E   | 3°33'27.22"N |
| 92  | AD22S           | 2016        | 9          | 4_24        | 98°56'13.11"E   | 3°33'26.93"N |
| 93  | AD22S           | 2016        | 6          | 4_28        | 98°56'13.11"E   | 3°33'25.71"N |
| 94  | AD22S           | 2016        | 6          | 4_29        | 98°56'13.10"E   | 3°33'25.48"N |
| 95  | AD22S           | 2016        | 6          | 4_30        | 98°56'13.10"E   | 3°33'25.13"N |
| 96  | AD22S           | 2016        | 6          | 5_9         | 98°56'13.28"E   | 3°33'30.97"N |
| 97  | AD22S           | 2016        | 6          | 5_17        | 98°56'13.36"E   | 3°33'28.59"N |
| 98  | AD22S           | 2016        | 6          | 5_18        | 98°56'13.36"E   | 3°33'28.28"N |
| 99  | AD22S           | 2016        | 6          | 5_19        | 98°56'13.37"E   | 3°33'27.99"N |
| 100 | AD22S           | 2016        | 9          | 5_25        | 98°56'13.35"E   | 3°33'26.28"N |
| 101 | AD22S           | 2016        | 6          | 5_29        | 98°56'13.35"E   | 3°33'25.60"N |
| 102 | AD22S           | 2016        | 6          | 5_30        | 98°56'13.32"E   | 3°33'25.35"N |
| 103 | AD22S           | 2016        | 6          | 5_31        | 98°56'13.31"E   | 3°33'25.01"N |
| 104 | AD22S           | 2016        | 6          | 6_6         | 98°56'13.49"E   | 3°33'32.28"N |
| 105 | AD22S           | 2016        | 6          | 6_7         | 98°56'13.48"E   | 3°33'31.92"N |
| 106 | AD22S           | 2016        | 6          | 6_8         | 98°56'13.54"E   | 3°33'31.68"N |
| 107 | AD22S           | 2016        | 6          | 6_16        | 98°56'13.61"E   | 3°33'29.31"N |
| 108 | AD22S           | 2016        | 6          | 6_17        | 98°56'13.58"E   | 3°33'28.91"N |
| 109 | AD22S           | 2016        | 6          | 6_18        | 98°56'13.61"E   | 3°33'28.48"N |
| 110 | AD22S           | 2016        | 9          | 6_23        | 98°56'13.62"E   | 3°33'26.95"N |
| 111 | AD22S           | 2016        | 9          | 6_24        | 98°56'13.58"E   | 3°33'26.55"N |
| 112 | AD22S           | 2016        | 6          | 6_29        | 98°56'13.52"E   | 3°33'25.38"N |
| 113 | AD22S           | 2016        | 6          | 6_30        | 98°56'13.56"E   | 3°33'25.15"N |
| 114 | AD22S           | 2016        | 9          | 7_18        | 98°56'13.82"E   | 3°33'28.82"N |
| 115 | AD22S           | 2016        | 9          | 7_19        | 98°56'13.87"E   | 3°33'28.56"N |
| 116 | AD22S           | 2016        | 9          | 7_20        | 98°56'13.87"E   | 3°33'28.27"N |
| 117 | AD22S           | 2016        | 9          | 7_21        | 98°56'13.86"E   | 3°33'28.01"N |
| 118 | AD22S           | 2016        | 9          | 7_23        | 98°56'13.84"E   | 3°33'27.42"N |
| 119 | AD22S           | 2016        | 9          | 7_24        | 98°56'13.77"E   | 3°33'27.04"N |
| 120 | AD22S           | 2016        | 9          | 7_25        | 98°56'13.82"E   | 3°33'26.80"N |
| 121 | AD22S           | 2016        | 6          | 7_31        | 98°56'13.87"E   | 3°33'25.06"N |
| 122 | AD22S           | 2016        | 9          | 8_18        | 98°56'14.09"E   | 3°33'28.78"N |
| 123 | AD22S           | 2016        | 9          | 8_20        | 98°56'14.09"E   | 3°33'28.10"N |
| 124 | AD22S           | 2016        | 9          | 9_18        | 98°56'14.37"E   | 3°33'28.87"N |

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 125 | AD22S           | 2016        | 9          | 9_20        | 98°56'14.35"E   | 3°33'28.32"N |
| 126 | AD22S           | 2016        | 9          | 9_21        | 98°56'14.34"E   | 3°33'27.98"N |
| 127 | AD22S           | 2016        | 6          | 10_15       | 98°56'14.56"E   | 3°33'29.62"N |
| 128 | AD22S           | 2016        | 6          | 10_16       | 98°56'14.61"E   | 3°33'29.36"N |
| 129 | AD22S           | 2016        | 6          | 11_16       | 98°56'14.90"E   | 3°33'29.52"N |
| 130 | AD22S           | 2016        | 6          | 11_17       | 98°56'14.88"E   | 3°33'29.19"N |
| 131 | AD22S           | 2016        | 6          | 11_18       | 98°56'14.83"E   | 3°33'28.88"N |
| 132 | AD22S           | 2016        | 6          | 12_15       | 98°56'15.11"E   | 3°33'29.68"N |
| 133 | AD22S           | 2016        | 6          | 12_16       | 98°56'15.11"E   | 3°33'29.41"N |
| 134 | AD22S           | 2016        | 6          | 12_17       | 98°56'15.10"E   | 3°33'29.09"N |
| 135 | AD22S           | 2016        | 6          | 7_30        | 98°56'13.87"E   | 3°33'25.29"N |
| 136 | AD22S           | 2016        | 6          | 8_26        | 98°56'14.06"E   | 3°33'26.30"N |
| 137 | AD22S           | 2016        | 6          | 8_27        | 98°56'14.05"E   | 3°33'26.03"N |
| 138 | AD22S           | 2016        | 6          | 8_28        | 98°56'14.10"E   | 3°33'25.72"N |
| 139 | AD22S           | 2016        | 6          | 8_29        | 98°56'14.11"E   | 3°33'25.45"N |
| 140 | AD22S           | 2016        | 6          | 8_30        | 98°56'14.11"E   | 3°33'25.18"N |
| 141 | AD22S           | 2016        | 6          | 10_31       | 98°56'14.59"E   | 3°33'24.95"N |
| 142 | AD22S           | 2016        | 6          | 12_31       | 98°56'15.09"E   | 3°33'24.91"N |
| 143 | AD22S           | 2016        | 6          | 13_31       | 98°56'15.27"E   | 3°33'24.87"N |
| 144 | AD22S           | 2016        | 6          | 14_31       | 98°56'15.54"E   | 3°33'25.00"N |
| 145 | AD22S           | 2016        | 6          | 15_31       | 98°56'15.79"E   | 3°33'24.94"N |
| 146 | AD22S           | 2016        | 6          | 16_31       | 98°56'16.04"E   | 3°33'24.99"N |
| 147 | AD22S           | 2016        | 6          | 17_31       | 98°56'16.29"E   | 3°33'25.11"N |
| 148 | AD22S           | 2016        | 6          | 18_31       | 98°56'16.56"E   | 3°33'24.96"N |
| 149 | AD22S           | 2016        | 6          | 19_31       | 98°56'16.83"E   | 3°33'25.12"N |
| 150 | AD22S           | 2016        | 6          | 20_31       | 98°56'17.09"E   | 3°33'24.98"N |
| 151 | AD22S           | 2016        | 6          | 21_31       | 98°56'17.34"E   | 3°33'25.15"N |
| 152 | AD22S           | 2016        | 6          | 24_31       | 98°56'18.32"E   | 3°33'25.11"N |
| 153 | AD22S           | 2016        | 6          | 25_31       | 98°56'18.59"E   | 3°33'25.00"N |
| 154 | AD22S           | 2016        | 6          | 26_31       | 98°56'18.83"E   | 3°33'25.17"N |
| 155 | AD22S           | 2016        | 6          | 27_31       | 98°56'19.08"E   | 3°33'24.97"N |
| 156 | AD22S           | 2016        | 6          | 28_31       | 98°56'19.36"E   | 3°33'24.89"N |
| 157 | AD22S           | 2016        | 6          | 29_31       | 98°56'19.60"E   | 3°33'25.32"N |
| 158 | AD22S           | 2016        | 6          | 29_32       | 98°56'19.67"E   | 3°33'25.00"N |
| 159 | AD22S           | 2016        | 6          | 30_31       | 98°56'19.83"E   | 3°33'24.98"N |
| 160 | AD22S           | 2016        | 6          | 31_31       | 98°56'20.07"E   | 3°33'25.32"N |
| 161 | AD22S           | 2016        | 6          | 31_32       | 98°56'20.13"E   | 3°33'25.04"N |
| 162 | AD22S           | 2016        | 6          | 32_31       | 98°56'20.35"E   | 3°33'24.98"N |
| 163 | AD22S           | 2016        | 6          | 33_32       | 98°56'20.61"E   | 3°33'24.99"N |
| 164 | AD22S           | 2016        | 6          | 34_31       | 98°56'20.86"E   | 3°33'24.92"N |
| 165 | AD22S           | 2016        | 6          | 35_32       | 98°56'21.08"E   | 3°33'25.07"N |
| 166 | AD22S           | 2016        | 6          | 36_31       | 98°56'21.32"E   | 3°33'24.92"N |
| 167 | AD22S           | 2016        | 6          | 37_32       | 98°56'21.58"E   | 3°33'25.04"N |
| 168 | AD22S           | 2016        | 6          | 38_31       | 98°56'21.85"E   | 3°33'24.89"N |
| 169 | AD22S           | 2016        | 6          | 39_32       | 98°56'22.09"E   | 3°33'25.06"N |
| 170 | AD22S           | 2016        | 6          | 40_31       | 98°56'22.37"E   | 3°33'25.02"N |
| 171 | AD22S           | 2016        | 6          | 41_32       | 98°56'22.60"E   | 3°33'25.11"N |
| 172 | AD22S           | 2016        | 6          | 42_31       | 98°56'22.84"E   | 3°33'24.93"N |
| 173 | AD22S           | 2016        | 6          | 43_32       | 98°56'23.08"E   | 3°33'25.06"N |



| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 174 | AD22S           | 2016        | 6          | 44_31       | 98°56'23.35"E   | 3°33'24.91"N |
| 175 | AD22S           | 2016        | 6          | 45_32       | 98°56'23.60"E   | 3°33'24.92"N |
| 176 | AD22S           | 2016        | 6          | 46_31       | 98°56'23.86"E   | 3°33'25.24"N |
| 177 | AD22S           | 2016        | 6          | 46_32       | 98°56'23.89"E   | 3°33'25.01"N |
| 178 | AD22S           | 2016        | 6          | 48_32       | 98°56'24.58"E   | 3°33'24.95"N |
| 179 | AD22S           | 2016        | 6          | 49_32       | 98°56'24.83"E   | 3°33'25.08"N |
| 180 | AD22S           | 2016        | 6          | 50_32       | 98°56'25.10"E   | 3°33'24.93"N |
| 181 | AD22S           | 2016        | 6          | 52_32       | 98°56'25.58"E   | 3°33'24.88"N |
| 182 | AD22S           | 2016        | 6          | 53_32       | 98°56'25.85"E   | 3°33'25.06"N |
| 183 | AD22S           | 2016        | 6          | 54_32       | 98°56'26.08"E   | 3°33'24.94"N |
| 184 | AD22S           | 2016        | 5          | 55_2        | 98°56'26.24"E   | 3°33'33.71"N |
| 185 | AD22S           | 2016        | 6          | 55_32       | 98°56'26.34"E   | 3°33'25.09"N |
| 186 | AD22S           | 2016        | 5          | 56_2        | 98°56'26.49"E   | 3°33'33.82"N |
| 187 | AD22S           | 2016        | 6          | 56_32       | 98°56'26.58"E   | 3°33'24.94"N |
| 188 | AD22S           | 2016        | 5          | 57_2        | 98°56'26.74"E   | 3°33'33.75"N |
| 189 | AD22S           | 2016        | 5          | 57_3        | 98°56'26.80"E   | 3°33'33.43"N |
| 190 | AD22S           | 2016        | 5          | 57_4        | 98°56'26.80"E   | 3°33'33.10"N |
| 191 | AD22S           | 2016        | 5          | 57_5        | 98°56'26.82"E   | 3°33'32.86"N |
| 192 | AD22S           | 2016        | 5          | 57_6        | 98°56'26.80"E   | 3°33'32.59"N |
| 193 | AD22S           | 2016        | 5          | 57_7        | 98°56'26.82"E   | 3°33'32.32"N |
| 194 | AD22S           | 2016        | 5          | 57_8        | 98°56'26.83"E   | 3°33'31.99"N |
| 195 | AD22S           | 2016        | 5          | 57_9        | 98°56'26.83"E   | 3°33'31.67"N |
| 196 | AD22S           | 2016        | 5          | 57_10       | 98°56'26.84"E   | 3°33'31.39"N |
| 197 | AD22S           | 2016        | 5          | 57_11       | 98°56'26.82"E   | 3°33'31.06"N |
| 198 | AD22S           | 2016        | 5          | 57_12       | 98°56'26.79"E   | 3°33'30.68"N |
| 199 | AD22S           | 2016        | 5          | 57_13       | 98°56'26.83"E   | 3°33'30.47"N |
| 200 | AD22S           | 2016        | 5          | 57_14       | 98°56'26.86"E   | 3°33'30.20"N |
| 201 | AD22S           | 2016        | 5          | 57_15       | 98°56'26.87"E   | 3°33'29.83"N |
| 202 | AD22S           | 2016        | 5          | 57_16       | 98°56'26.85"E   | 3°33'29.53"N |
| 203 | AD22S           | 2016        | 5          | 57_17       | 98°56'26.83"E   | 3°33'29.28"N |
| 204 | AD22S           | 2016        | 5          | 57_18       | 98°56'26.84"E   | 3°33'29.02"N |
| 205 | AD22S           | 2016        | 5          | 57_19       | 98°56'26.88"E   | 3°33'28.71"N |
| 206 | AD22S           | 2016        | 5          | 57_20       | 98°56'26.89"E   | 3°33'28.48"N |
| 207 | AD22S           | 2016        | 5          | 57_21       | 98°56'26.91"E   | 3°33'28.28"N |
| 208 | AD22S           | 2016        | 5          | 57_22       | 98°56'26.93"E   | 3°33'28.02"N |
| 209 | AD22S           | 2016        | 5          | 57_23       | 98°56'26.90"E   | 3°33'27.71"N |
| 210 | AD22S           | 2016        | 5          | 57_24       | 98°56'26.91"E   | 3°33'27.47"N |
| 211 | AD22S           | 2016        | 5          | 57_25       | 98°56'26.89"E   | 3°33'27.23"N |
| 212 | AD22S           | 2016        | 5          | 57_27       | 98°56'26.90"E   | 3°33'26.64"N |
| 213 | AD22S           | 2016        | 5          | 57_28       | 98°56'26.90"E   | 3°33'26.24"N |
| 214 | AD22S           | 2016        | 5          | 57_29       | 98°56'26.90"E   | 3°33'25.99"N |
| 215 | AD22S           | 2016        | 5          | 57_30       | 98°56'26.88"E   | 3°33'25.70"N |
| 216 | AD22S           | 2016        | 5          | 57_31       | 98°56'26.89"E   | 3°33'25.40"N |
| 217 | AD22S           | 2016        | 5          | 57_32       | 98°56'26.84"E   | 3°33'25.08"N |
| 218 | AD22S           | 2016        | 5          | 58_2        | 98°56'27.05"E   | 3°33'33.82"N |
| 219 | AD22S           | 2016        | 5          | 58_3        | 98°56'27.02"E   | 3°33'33.59"N |
| 220 | AD22S           | 2016        | 5          | 58_4        | 98°56'27.04"E   | 3°33'33.31"N |
| 221 | AD22S           | 2016        | 5          | 58_5        | 98°56'27.05"E   | 3°33'33.02"N |
| 222 | AD22S           | 2016        | 5          | 58_6        | 98°56'27.04"E   | 3°33'32.73"N |

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 223 | AD22S           | 2016        | 5          | 58_7        | 98°56'27.04"E   | 3°33'32.40"N |
| 224 | AD22S           | 2016        | 5          | 58_8        | 98°56'27.07"E   | 3°33'32.12"N |
| 225 | AD22S           | 2016        | 5          | 58_9        | 98°56'27.06"E   | 3°33'31.85"N |
| 226 | AD22S           | 2016        | 5          | 58_10       | 98°56'27.09"E   | 3°33'31.50"N |
| 227 | AD22S           | 2016        | 5          | 58_11       | 98°56'27.07"E   | 3°33'31.19"N |
| 228 | AD22S           | 2016        | 5          | 58_12       | 98°56'27.09"E   | 3°33'30.90"N |
| 229 | AD22S           | 2016        | 5          | 58_13       | 98°56'27.11"E   | 3°33'30.63"N |
| 230 | AD22S           | 2016        | 5          | 58_14       | 98°56'27.12"E   | 3°33'30.30"N |
| 231 | AD22S           | 2016        | 5          | 58_15       | 98°56'27.08"E   | 3°33'30.02"N |
| 232 | AD22S           | 2016        | 5          | 58_16       | 98°56'27.11"E   | 3°33'29.79"N |
| 233 | AD22S           | 2016        | 5          | 58_17       | 98°56'27.07"E   | 3°33'29.49"N |
| 234 | AD22S           | 2016        | 5          | 58_18       | 98°56'27.09"E   | 3°33'29.20"N |
| 235 | AD22S           | 2016        | 5          | 58_19       | 98°56'27.15"E   | 3°33'28.85"N |
| 236 | AD22S           | 2016        | 5          | 58_20       | 98°56'27.12"E   | 3°33'28.59"N |
| 237 | AD22S           | 2016        | 5          | 58_21       | 98°56'27.12"E   | 3°33'28.26"N |
| 238 | AD22S           | 2016        | 5          | 58_22       | 98°56'27.13"E   | 3°33'28.00"N |
| 239 | AD22S           | 2016        | 5          | 58_24       | 98°56'27.11"E   | 3°33'27.31"N |
| 240 | AD22S           | 2016        | 5          | 58_25       | 98°56'27.09"E   | 3°33'27.11"N |
| 241 | AD22S           | 2016        | 5          | 58_26       | 98°56'27.13"E   | 3°33'26.84"N |
| 242 | AD22S           | 2016        | 5          | 58_27       | 98°56'27.13"E   | 3°33'26.49"N |
| 243 | AD22S           | 2016        | 5          | 58_28       | 98°56'27.14"E   | 3°33'26.19"N |
| 244 | AD22S           | 2016        | 5          | 58_29       | 98°56'27.13"E   | 3°33'25.93"N |
| 245 | AD22S           | 2016        | 5          | 58_30       | 98°56'27.11"E   | 3°33'25.66"N |
| 246 | AD22S           | 2016        | 5          | 58_31       | 98°56'27.10"E   | 3°33'25.26"N |
| 247 | AD22S           | 2016        | 5          | 58_32       | 98°56'27.13"E   | 3°33'24.98"N |
| 248 | AD22S           | 2016        | 5          | 59_2        | 98°56'27.27"E   | 3°33'33.78"N |
| 249 | AD22S           | 2016        | 5          | 59_3        | 98°56'27.26"E   | 3°33'33.45"N |
| 250 | AD22S           | 2016        | 5          | 59_4        | 98°56'27.26"E   | 3°33'33.07"N |
| 251 | AD22S           | 2016        | 5          | 59_5        | 98°56'27.28"E   | 3°33'32.75"N |
| 252 | AD22S           | 2016        | 5          | 59_6        | 98°56'27.30"E   | 3°33'32.55"N |
| 253 | AD22S           | 2016        | 5          | 59_7        | 98°56'27.34"E   | 3°33'32.27"N |
| 254 | AD22S           | 2016        | 5          | 59_8        | 98°56'27.31"E   | 3°33'31.96"N |
| 255 | AD22S           | 2016        | 5          | 59_9        | 98°56'27.30"E   | 3°33'31.68"N |
| 256 | AD22S           | 2016        | 5          | 59_10       | 98°56'27.29"E   | 3°33'31.31"N |
| 257 | AD22S           | 2016        | 5          | 59_11       | 98°56'27.28"E   | 3°33'31.07"N |
| 258 | AD22S           | 2016        | 5          | 59_12       | 98°56'27.30"E   | 3°33'30.75"N |
| 259 | AD22S           | 2016        | 5          | 59_13       | 98°56'27.28"E   | 3°33'30.47"N |
| 260 | AD22S           | 2016        | 5          | 59_14       | 98°56'27.31"E   | 3°33'30.15"N |
| 261 | AD22S           | 2016        | 5          | 59_15       | 98°56'27.31"E   | 3°33'29.89"N |
| 262 | AD22S           | 2016        | 5          | 59_16       | 98°56'27.33"E   | 3°33'29.60"N |
| 263 | AD22S           | 2016        | 5          | 59_17       | 98°56'27.33"E   | 3°33'29.39"N |
| 264 | AD22S           | 2016        | 5          | 59_18       | 98°56'27.36"E   | 3°33'28.99"N |
| 265 | AD22S           | 2016        | 5          | 59_19       | 98°56'27.36"E   | 3°33'28.77"N |
| 266 | AD22S           | 2016        | 5          | 59_20       | 98°56'27.34"E   | 3°33'28.42"N |
| 267 | AD22S           | 2016        | 5          | 59_21       | 98°56'27.37"E   | 3°33'28.12"N |
| 268 | AD22S           | 2016        | 5          | 59_22       | 98°56'27.37"E   | 3°33'27.83"N |
| 269 | AD22S           | 2016        | 5          | 59_23       | 98°56'27.37"E   | 3°33'27.55"N |
| 270 | AD22S           | 2016        | 5          | 59_24       | 98°56'27.40"E   | 3°33'27.24"N |
| 271 | AD22S           | 2016        | 5          | 59_25       | 98°56'27.40"E   | 3°33'26.94"N |

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 272 | AD22S           | 2016        | 5          | 59_26       | 98°56'27.37"E   | 3°33'26.65"N |
| 273 | AD22S           | 2016        | 5          | 59_27       | 98°56'27.36"E   | 3°33'26.37"N |
| 274 | AD22S           | 2016        | 5          | 59_28       | 98°56'27.36"E   | 3°33'26.07"N |
| 275 | AD22S           | 2016        | 5          | 59_29       | 98°56'27.39"E   | 3°33'25.79"N |
| 276 | AD22S           | 2016        | 5          | 59_30       | 98°56'27.36"E   | 3°33'25.45"N |
| 277 | AD22S           | 2016        | 5          | 59_31       | 98°56'27.36"E   | 3°33'25.18"N |
| 278 | AD22S           | 2016        | 5          | 59_32       | 98°56'27.33"E   | 3°33'24.89"N |
| 279 | AD22S           | 2016        | 5          | 60_2        | 98°56'27.51"E   | 3°33'33.80"N |
| 280 | AD22S           | 2016        | 5          | 60_3        | 98°56'27.50"E   | 3°33'33.55"N |
| 281 | AD22S           | 2016        | 5          | 60_4        | 98°56'27.46"E   | 3°33'33.26"N |
| 282 | AD22S           | 2016        | 5          | 60_5        | 98°56'27.48"E   | 3°33'32.96"N |
| 283 | AD22S           | 2016        | 5          | 60_6        | 98°56'27.49"E   | 3°33'32.69"N |
| 284 | AD22S           | 2016        | 5          | 60_7        | 98°56'27.52"E   | 3°33'32.43"N |
| 285 | AD22S           | 2016        | 5          | 60_8        | 98°56'27.54"E   | 3°33'32.12"N |
| 286 | AD22S           | 2016        | 5          | 60_9        | 98°56'27.56"E   | 3°33'31.85"N |
| 287 | AD22S           | 2016        | 5          | 60_10       | 98°56'27.56"E   | 3°33'31.52"N |
| 288 | AD22S           | 2016        | 5          | 60_11       | 98°56'27.55"E   | 3°33'31.26"N |
| 289 | AD22S           | 2016        | 5          | 60_12       | 98°56'27.52"E   | 3°33'30.99"N |
| 290 | AD22S           | 2016        | 5          | 60_13       | 98°56'27.53"E   | 3°33'30.67"N |
| 291 | AD22S           | 2016        | 5          | 60_14       | 98°56'27.54"E   | 3°33'30.33"N |
| 292 | AD22S           | 2016        | 5          | 60_15       | 98°56'27.56"E   | 3°33'30.06"N |
| 293 | AD22S           | 2016        | 5          | 60_16       | 98°56'27.57"E   | 3°33'29.74"N |
| 294 | AD22S           | 2016        | 5          | 60_17       | 98°56'27.59"E   | 3°33'29.47"N |
| 295 | AD22S           | 2016        | 5          | 60_18       | 98°56'27.55"E   | 3°33'29.23"N |
| 296 | AD22S           | 2016        | 5          | 60_19       | 98°56'27.59"E   | 3°33'28.93"N |
| 297 | AD22S           | 2016        | 5          | 60_20       | 98°56'27.59"E   | 3°33'28.63"N |
| 298 | AD22S           | 2016        | 5          | 60_21       | 98°56'27.60"E   | 3°33'28.29"N |
| 299 | AD22S           | 2016        | 5          | 60_22       | 98°56'27.62"E   | 3°33'28.00"N |
| 300 | AD22S           | 2016        | 5          | 60_23       | 98°56'27.64"E   | 3°33'27.66"N |
| 301 | AD22S           | 2016        | 5          | 60_24       | 98°56'27.62"E   | 3°33'27.26"N |
| 302 | AD22S           | 2016        | 5          | 60_25       | 98°56'27.61"E   | 3°33'27.06"N |
| 303 | AD22S           | 2016        | 5          | 60_26       | 98°56'27.64"E   | 3°33'26.77"N |
| 304 | AD22S           | 2016        | 5          | 60_27       | 98°56'27.60"E   | 3°33'26.45"N |
| 305 | AD22S           | 2016        | 5          | 60_28       | 98°56'27.63"E   | 3°33'26.19"N |
| 306 | AD22S           | 2016        | 5          | 60_29       | 98°56'27.65"E   | 3°33'25.92"N |
| 307 | AD22S           | 2016        | 5          | 60_30       | 98°56'27.65"E   | 3°33'25.62"N |
| 308 | AD22S           | 2016        | 5          | 60_31       | 98°56'27.63"E   | 3°33'25.33"N |
| 309 | AD22S           | 2016        | 5          | 60_32       | 98°56'27.63"E   | 3°33'24.99"N |
| 310 | AD22S           | 2016        | 5          | 61_32       | 98°56'27.88"E   | 3°33'24.97"N |
| 311 | AD22S           | 2016        | 5          | 62_32       | 98°56'28.10"E   | 3°33'24.96"N |
| 312 | AD22S           | 2016        | 5          | 63_32       | 98°56'28.24"E   | 3°33'24.87"N |
| 313 | AD22S           | 2016        | 5          | 64_32       | 98°56'28.48"E   | 3°33'24.91"N |
| 314 | AD20S           | 2015        | 22         | 25_19       | 98°56'39.52"E   | 3°33'28.49"N |
| 315 | AD20S           | 2015        | 22         | 25_20       | 98°56'39.48"E   | 3°33'28.19"N |
| 316 | AD20S           | 2015        | 22         | 25_21       | 98°56'39.51"E   | 3°33'27.90"N |
| 317 | AD20S           | 2015        | 22         | 25_22       | 98°56'39.57"E   | 3°33'27.62"N |
| 318 | AD20S           | 2015        | 22         | 25_23       | 98°56'39.56"E   | 3°33'27.30"N |
| 319 | AD20S           | 2015        | 22         | 25_25       | 98°56'39.50"E   | 3°33'26.63"N |
| 320 | AD20S           | 2015        | 22         | 25_26       | 98°56'39.54"E   | 3°33'26.36"N |



| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat |              |
|-----|-----------------|-------------|------------|-------------|-----------------|--------------|
|     |                 |             |            |             | Longitude       | Latitude     |
| 321 | AD20S           | 2015        | 22         | 25_27       | 98°56'39.54"E   | 3°33'26.12"N |
| 322 | AD20S           | 2015        | 22         | 25_28       | 98°56'39.53"E   | 3°33'25.80"N |
| 323 | AD20S           | 2015        | 22         | 25_30       | 98°56'39.54"E   | 3°33'25.21"N |
| 324 | AD20S           | 2015        | 21         | 28_15       | 98°56'40.23"E   | 3°33'29.52"N |
| 325 | AD20S           | 2015        | 21         | 28_16       | 98°56'40.28"E   | 3°33'29.22"N |
| 326 | AD20S           | 2015        | 21         | 28_17       | 98°56'40.29"E   | 3°33'28.94"N |
| 327 | AD20S           | 2015        | 21         | 28_18       | 98°56'40.26"E   | 3°33'28.62"N |
| 328 | AD20S           | 2015        | 21         | 28_19       | 98°56'40.26"E   | 3°33'28.36"N |
| 329 | AD20S           | 2015        | 21         | 28_20       | 98°56'40.26"E   | 3°33'28.09"N |
| 330 | AD20S           | 2015        | 21         | 28_21       | 98°56'40.29"E   | 3°33'27.80"N |
| 331 | AD20S           | 2015        | 21         | 28_22       | 98°56'40.25"E   | 3°33'27.51"N |
| 332 | AD20S           | 2015        | 21         | 28_23       | 98°56'40.25"E   | 3°33'27.13"N |
| 333 | AD20S           | 2015        | 21         | 28_24       | 98°56'40.25"E   | 3°33'26.91"N |
| 334 | AD20S           | 2015        | 21         | 29_17       | 98°56'40.52"E   | 3°33'29.13"N |
| 335 | AD20S           | 2015        | 21         | 29_18       | 98°56'40.52"E   | 3°33'28.82"N |
| 336 | AD20S           | 2015        | 21         | 29_19       | 98°56'40.55"E   | 3°33'28.54"N |
| 337 | AD20S           | 2015        | 21         | 29_20       | 98°56'40.57"E   | 3°33'28.21"N |
| 338 | AD20S           | 2015        | 21         | 29_21       | 98°56'40.52"E   | 3°33'27.89"N |
| 339 | AD20S           | 2015        | 21         | 29_22       | 98°56'40.53"E   | 3°33'27.64"N |
| 340 | AD20S           | 2015        | 21         | 29_23       | 98°56'40.54"E   | 3°33'27.32"N |
| 341 | AD20S           | 2015        | 21         | 29_24       | 98°56'40.54"E   | 3°33'27.03"N |
| 342 | AD20S           | 2015        | 21         | 29_25       | 98°56'40.48"E   | 3°33'26.79"N |
| 343 | AD20S           | 2015        | 21         | 30_20       | 98°56'40.79"E   | 3°33'28.35"N |
| 344 | AD20S           | 2015        | 21         | 30_21       | 98°56'40.80"E   | 3°33'28.12"N |
| 345 | AD20S           | 2015        | 21         | 30_22       | 98°56'40.77"E   | 3°33'27.83"N |
| 346 | AD20S           | 2015        | 21         | 30_23       | 98°56'40.82"E   | 3°33'27.54"N |
| 347 | AD20S           | 2015        | 21         | 30_24       | 98°56'40.81"E   | 3°33'27.18"N |
| 348 | AD20S           | 2015        | 21         | 31_23       | 98°56'41.00"E   | 3°33'27.35"N |
| 349 | AD20S           | 2015        | 21         | 31_24       | 98°56'40.99"E   | 3°33'27.06"N |

2. Kebun Kaliaanta berlokasi di Desa Kabun, Kecamatan Kabun, Kabupaten Rokan Hulu, Provinsi Riau

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat    |                  |
|-----|-----------------|-------------|------------|-------------|--------------------|------------------|
|     |                 |             |            |             | Longitude          | Latitude         |
| 1   | KL06S           | 2013        | 4          | 4-2         | 100° 49' 23.545" E | 0° 27' 57.103" N |
| 2   | KL06S           | 2013        | 4          | 4-3         | 100° 49' 23.552" E | 0° 27' 56.831" N |
| 3   | KL06S           | 2013        | 4          | 4-4         | 100° 49' 23.565" E | 0° 27' 56.498" N |
| 4   | KL06S           | 2013        | 4          | 4-8         | 100° 49' 23.545" E | 0° 27' 55.334" N |
| 5   | KL06S           | 2013        | 4          | 4-9         | 100° 49' 23.565" E | 0° 27' 55.076" N |
| 6   | KL06S           | 2013        | 4          | 4-10        | 100° 49' 23.572" E | 0° 27' 54.735" N |
| 7   | KL06S           | 2013        | 4          | 5-1         | 100° 49' 23.783" E | 0° 27' 57.219" N |
| 8   | KL06S           | 2013        | 4          | 5-2         | 100° 49' 23.783" E | 0° 27' 56.947" N |
| 9   | KL06S           | 2013        | 4          | 5-3         | 100° 49' 23.790" E | 0° 27' 56.613" N |
| 10  | KL06S           | 2013        | 4          | 5-7         | 100° 49' 23.810" E | 0° 27' 55.463" N |
| 11  | KL06S           | 2013        | 4          | 5-8         | 100° 49' 23.810" E | 0° 27' 55.171" N |
| 12  | KL06S           | 2013        | 4          | 5-9         | 100° 49' 23.844" E | 0° 27' 54.892" N |
| 13  | KL06S           | 2013        | 4          | 6-2         | 100° 49' 24.028" E | 0° 27' 57.096" N |
| 14  | KL06S           | 2013        | 4          | 6-3         | 100° 49' 24.035" E | 0° 27' 56.790" N |
| 15  | KL06S           | 2013        | 4          | 6-4         | 100° 49' 24.028" E | 0° 27' 56.498" N |



| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat    |                  |
|-----|-----------------|-------------|------------|-------------|--------------------|------------------|
|     |                 |             |            |             | Longitude          | Latitude         |
| 16  | KL06S           | 2013        | 4          | 6-8         | 100° 49' 24.048" E | 0° 27' 55.327" N |
| 17  | KL06S           | 2013        | 4          | 6-9         | 100° 49' 24.096" E | 0° 27' 55.028" N |
| 18  | KL06S           | 2013        | 4          | 6-10        | 100° 49' 24.076" E | 0° 27' 54.735" N |
| 19  | KL06S           | 2013        | 4          | 7-4         | 100° 49' 24.307" E | 0° 27' 56.334" N |
| 20  | KL06S           | 2013        | 4          | 7-5         | 100° 49' 24.300" E | 0° 27' 56.028" N |
| 21  | KL06S           | 2013        | 4          | 7-6         | 100° 49' 24.307" E | 0° 27' 55.756" N |
| 22  | KL06S           | 2013        | 4          | 8-5         | 100° 49' 24.586" E | 0° 27' 56.205" N |
| 23  | KL06S           | 2013        | 4          | 8-6         | 100° 49' 24.593" E | 0° 27' 55.899" N |
| 24  | KL06S           | 2013        | 4          | 8-7         | 100° 49' 24.579" E | 0° 27' 55.606" N |
| 25  | KL06S           | 2013        | 4          | 9-4         | 100° 49' 24.810" E | 0° 27' 56.355" N |
| 26  | KL06S           | 2013        | 4          | 9-5         | 100° 49' 24.824" E | 0° 27' 56.076" N |
| 27  | KL06S           | 2013        | 4          | 9-6         | 100° 49' 24.810" E | 0° 27' 55.804" N |
| 28  | KL06S           | 2013        | 4          | 10-2        | 100° 49' 25.042" E | 0° 27' 57.103" N |
| 29  | KL06S           | 2013        | 4          | 10-3        | 100° 49' 25.049" E | 0° 27' 56.783" N |
| 30  | KL06S           | 2013        | 4          | 10-4        | 100° 49' 25.049" E | 0° 27' 56.538" N |
| 31  | KL06S           | 2013        | 4          | 11-1        | 100° 49' 25.294" E | 0° 27' 57.253" N |
| 32  | KL06S           | 2013        | 4          | 11-2        | 100° 49' 25.266" E | 0° 27' 56.947" N |
| 33  | KL06S           | 2013        | 4          | 11-3        | 100° 49' 25.280" E | 0° 27' 56.695" N |
| 34  | KL06S           | 2013        | 4          | 12-3        | 100° 49' 25.559" E | 0° 27' 56.831" N |
| 35  | KL06S           | 2013        | 4          | 12-4        | 100° 49' 25.559" E | 0° 27' 56.586" N |
| 36  | KL06S           | 2013        | 4          | 12-2        | 100° 49' 25.559" E | 0° 27' 57.076" N |

3. Kebun Sarolangun berlokasi di Desa Ladang Panjang, Kecamatan Sarolangun, Kabupaten Sarolangun, Provinsi Jambi

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat    |                  |
|-----|-----------------|-------------|------------|-------------|--------------------|------------------|
|     |                 |             |            |             | Longitude          | Latitude         |
| 1   | SA01S           | 2015        | 4          | 34-17       | 102° 46' 17,196" E | 2° 15' 27,718" S |
| 2   | SA01S           | 2015        | 4          | 34-18       | 102° 46' 17,244" E | 2° 15' 27,431" S |
| 3   | SA01S           | 2015        | 4          | 34-19       | 102° 46' 17,291" E | 2° 15' 27,133" S |
| 4   | SA01S           | 2015        | 4          | 34-20       | 102° 46' 17,336" E | 2° 15' 26,846" S |
| 5   | SA01S           | 2015        | 4          | 34-21       | 102° 46' 17,370" E | 2° 15' 26,561" S |
| 6   | SA01S           | 2015        | 4          | 34-22       | 102° 46' 17,404" E | 2° 15' 26,272" S |
| 7   | SA01S           | 2015        | 4          | 34-23       | 102° 46' 17,460" E | 2° 15' 25,976" S |
| 8   | SA01S           | 2015        | 4          | 34-24       | 102° 46' 17,503" E | 2° 15' 25,695" S |
| 9   | SA01S           | 2015        | 4          | 34-25       | 102° 46' 17,552" E | 2° 15' 25,404" S |
| 10  | SA01S           | 2015        | 4          | 34-26       | 102° 46' 17,608" E | 2° 15' 25,122" S |
| 11  | SA01S           | 2015        | 4          | 34-27       | 102° 46' 17,635" E | 2° 15' 24,829" S |
| 12  | SA01S           | 2015        | 4          | 34-28       | 102° 46' 17,676" E | 2° 15' 24,565" S |
| 13  | SA01S           | 2015        | 4          | 34-29       | 102° 46' 17,723" E | 2° 15' 24,251" S |
| 14  | SA01S           | 2015        | 4          | 33-16       | 102° 46' 16,916" E | 2° 15' 27,849" S |
| 15  | SA01S           | 2015        | 4          | 33-17       | 102° 46' 16,957" E | 2° 15' 27,558" S |
| 16  | SA01S           | 2015        | 4          | 33-18       | 102° 46' 16,991" E | 2° 15' 27,277" S |
| 17  | SA01S           | 2015        | 4          | 33-19       | 102° 46' 17,051" E | 2° 15' 27,003" S |
| 18  | SA01S           | 2015        | 4          | 33-20       | 102° 46' 17,109" E | 2° 15' 26,678" S |
| 19  | SA01S           | 2015        | 4          | 33-21       | 102° 46' 17,145" E | 2° 15' 26,401" S |
| 20  | SA01S           | 2015        | 4          | 33-22       | 102° 46' 17,188" E | 2° 15' 26,086" S |
| 21  | SA01S           | 2015        | 4          | 33-24       | 102° 46' 17,271" E | 2° 15' 25,540" S |
| 22  | SA01S           | 2015        | 4          | 33-25       | 102° 46' 17,323" E | 2° 15' 25,244" S |

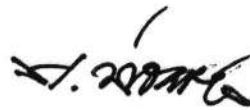
| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat    |                  |
|-----|-----------------|-------------|------------|-------------|--------------------|------------------|
|     |                 |             |            |             | Longitude          | Latitude         |
| 23  | SA01S           | 2015        | 4          | 33-26       | 102° 46' 17,355" E | 2° 15' 24,949" S |
| 24  | SA01S           | 2015        | 4          | 33-27       | 102° 46' 17,389" E | 2° 15' 24,673" S |
| 25  | SA01S           | 2015        | 4          | 33-28       | 102° 46' 17,436" E | 2° 15' 24,369" S |
| 26  | SA01S           | 2015        | 4          | 33-29       | 102° 46' 17,481" E | 2° 15' 24,091" S |
| 27  | SA01S           | 2015        | 4          | 33-30       | 102° 46' 17,518" E | 2° 15' 23,836" S |
| 28  | SA01S           | 2015        | 4          | 32-16       | 102° 46' 16,633" E | 2° 15' 27,971" S |
| 29  | SA01S           | 2015        | 4          | 32-17       | 102° 46' 16,650" E | 2° 15' 27,673" S |
| 30  | SA01S           | 2015        | 4          | 32-18       | 102° 46' 16,691" E | 2° 15' 27,380" S |
| 31  | SA01S           | 2015        | 4          | 32-19       | 102° 46' 16,745" E | 2° 15' 27,084" S |
| 32  | SA01S           | 2015        | 4          | 32-20       | 102° 46' 16,796" E | 2° 15' 26,810" S |
| 33  | SA01S           | 2015        | 4          | 32-21       | 102° 46' 16,850" E | 2° 15' 26,512" S |
| 34  | SA01S           | 2015        | 4          | 32-22       | 102° 46' 16,901" E | 2° 15' 26,229" S |
| 35  | SA01S           | 2015        | 4          | 32-23       | 102° 46' 16,948" E | 2° 15' 25,948" S |
| 36  | SA01S           | 2015        | 4          | 32-25       | 102° 46' 17,044" E | 2° 15' 25,363" S |
| 37  | SA01S           | 2015        | 4          | 32-26       | 102° 46' 17,089" E | 2° 15' 25,080" S |
| 38  | SA01S           | 2015        | 4          | 32-29       | 102° 46' 17,214" E | 2° 15' 24,186" S |
| 39  | SA01S           | 2015        | 4          | 32-30       | 102° 46' 17,244" E | 2° 15' 23,918" S |
| 40  | SA01S           | 2015        | 4          | 32-31       | 102° 46' 17,304" E | 2° 15' 23,614" S |
| 41  | SA01S           | 2015        | 4          | 30-27       | 102° 46' 16,595" E | 2° 15' 24,722" S |
| 42  | SA01S           | 2015        | 4          | 30-28       | 102° 46' 16,646" E | 2° 15' 24,446" S |
| 43  | SA01S           | 2015        | 4          | 30-29       | 102° 46' 16,691" E | 2° 15' 24,144" S |
| 44  | SA01S           | 2015        | 4          | 30-30       | 102° 46' 16,734" E | 2° 15' 23,861" S |
| 45  | SA01S           | 2015        | 4          | 30-31       | 102° 46' 16,781" E | 2° 15' 23,542" S |
| 46  | SA01S           | 2015        | 4          | 30-32       | 102° 46' 16,828" E | 2° 15' 23,290" S |
| 47  | SA01S           | 2015        | 4          | 30-33       | 102° 46' 16,869" E | 2° 15' 22,988" S |
| 48  | SA01S           | 2015        | 4          | 30-34       | 102° 46' 16,918" E | 2° 15' 22,689" S |
| 49  | SA01S           | 2015        | 4          | 30-35       | 102° 46' 16,965" E | 2° 15' 22,422" S |
| 50  | SA01S           | 2015        | 4          | 30-36       | 102° 46' 17,006" E | 2° 15' 22,126" S |
| 51  | SA01S           | 2015        | 4          | 30-37       | 102° 46' 17,049" E | 2° 15' 21,822" S |
| 52  | SA01S           | 2015        | 4          | 29-29       | 102° 46' 16,447" E | 2° 15' 23,986" S |
| 53  | SA01S           | 2015        | 4          | 29-30       | 102° 46' 16,479" E | 2° 15' 23,688" S |
| 54  | SA01S           | 2015        | 4          | 29-31       | 102° 46' 16,522" E | 2° 15' 23,414" S |
| 55  | SA01S           | 2015        | 4          | 29-32       | 102° 46' 16,569" E | 2° 15' 23,089" S |
| 56  | SA01S           | 2015        | 4          | 29-33       | 102° 46' 16,614" E | 2° 15' 22,812" S |
| 57  | SA01S           | 2015        | 4          | 29-34       | 102° 46' 16,663" E | 2° 15' 22,535" S |
| 58  | SA01S           | 2015        | 4          | 29-35       | 102° 46' 16,706" E | 2° 15' 22,257" S |
| 59  | SA01S           | 2015        | 4          | 29-36       | 102° 46' 16,768" E | 2° 15' 21,963" S |
| 60  | SA01S           | 2015        | 4          | 29-37       | 102° 46' 16,807" E | 2° 15' 21,644" S |
| 61  | SA01S           | 2015        | 4          | 28-32       | 102° 46' 16,289" E | 2° 15' 23,217" S |
| 62  | SA01S           | 2015        | 4          | 28-33       | 102° 46' 16,345" E | 2° 15' 22,937" S |
| 63  | SA01S           | 2015        | 4          | 28-34       | 102° 46' 16,390" E | 2° 15' 22,639" S |
| 64  | SA01S           | 2015        | 4          | 28-35       | 102° 46' 16,430" E | 2° 15' 22,363" S |
| 65  | SA01S           | 2015        | 4          | 28-36       | 102° 46' 16,486" E | 2° 15' 22,084" S |
| 66  | SA01S           | 2015        | 4          | 28-37       | 102° 46' 16,522" E | 2° 15' 21,784" S |
| 67  | SA01S           | 2015        | 4          | 28-38       | 102° 46' 16,552" E | 2° 15' 21,508" S |
| 68  | SA01S           | 2015        | 4          | 27-34       | 102° 46' 16,101" E | 2° 15' 22,546" S |
| 69  | SA01S           | 2015        | 4          | 27-35       | 102° 46' 16,180" E | 2° 15' 22,176" S |
| 70  | SA01S           | 2015        | 4          | 27-36       | 102° 46' 16,240" E | 2° 15' 21,908" S |



| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat    |                  |
|-----|-----------------|-------------|------------|-------------|--------------------|------------------|
|     |                 |             |            |             | Longitude          | Latitude         |
| 71  | SA01S           | 2015        | 4          | 27-37       | 102° 46' 16,285" E | 2° 15' 21,595" S |
| 72  | SA01S           | 2015        | 4          | 25-35       | 102° 46' 15,692" E | 2° 15' 22,171" S |
| 73  | SA01S           | 2015        | 4          | 25-36       | 102° 46' 15,726" E | 2° 15' 21,854" S |
| 74  | SA01S           | 2015        | 4          | 25-37       | 102° 46' 15,758" E | 2° 15' 21,588" S |
| 75  | SA01S           | 2015        | 4          | 25-38       | 102° 46' 15,822" E | 2° 15' 21,295" S |
| 76  | SA01S           | 2015        | 4          | 24-38       | 102° 46' 15,549" E | 2° 15' 21,407" S |
| 77  | SA01S           | 2015        | 4          | 24-39       | 102° 46' 15,590" E | 2° 15' 21,131" S |
| 78  | SA01S           | 2015        | 4          | 24-40       | 102° 46' 15,648" E | 2° 15' 20,831" S |
| 79  | SA01S           | 2015        | 4          | 23-37       | 102° 46' 15,249" E | 2° 15' 21,531" S |
| 80  | SA01S           | 2015        | 4          | 23-38       | 102° 46' 15,314" E | 2° 15' 21,240" S |
| 81  | SA01S           | 2015        | 4          | 23-39       | 102° 46' 15,374" E | 2° 15' 20,951" S |
| 82  | SA01S           | 2015        | 4          | 23-40       | 102° 46' 15,427" E | 2° 15' 20,657" S |
| 83  | SA01S           | 2015        | 4          | 23-41       | 102° 46' 15,483" E | 2° 15' 20,374" S |
| 84  | SA01S           | 2015        | 4          | 23-42       | 102° 46' 15,524" E | 2° 15' 20,090" S |
| 85  | SA01S           | 2015        | 4          | 23-43       | 102° 46' 15,596" E | 2° 15' 19,821" S |
| 86  | SA01S           | 2015        | 4          | 23-44       | 102° 46' 15,650" E | 2° 15' 19,527" S |
| 87  | SA01S           | 2015        | 4          | 22-39       | 102° 46' 15,080" E | 2° 15' 21,086" S |
| 88  | SA01S           | 2015        | 4          | 22-40       | 102° 46' 15,144" E | 2° 15' 20,782" S |
| 89  | SA01S           | 2015        | 4          | 22-43       | 102° 46' 15,320" E | 2° 15' 19,932" S |
| 90  | SA01S           | 2015        | 4          | 22-44       | 102° 46' 15,378" E | 2° 15' 19,622" S |
| 91  | SA01S           | 2015        | 4          | 22-45       | 102° 46' 15,423" E | 2° 15' 19,356" S |
| 92  | SA01S           | 2015        | 4          | 20-39       | 102° 46' 14,594" E | 2° 15' 21,020" S |
| 93  | SA01S           | 2015        | 4          | 20-40       | 102° 46' 14,640" E | 2° 15' 20,721" S |
| 94  | SA01S           | 2015        | 4          | 20-42       | 102° 46' 14,722" E | 2° 15' 20,166" S |
| 95  | SA01S           | 2015        | 4          | 20-43       | 102° 46' 14,797" E | 2° 15' 19,873" S |
| 96  | SA01S           | 2015        | 4          | 19-39       | 102° 46' 14,388" E | 2° 15' 20,794" S |
| 97  | SA01S           | 2015        | 4          | 19-40       | 102° 46' 14,406" E | 2° 15' 20,540" S |
| 98  | SA01S           | 2015        | 4          | 19-41       | 102° 46' 14,445" E | 2° 15' 20,280" S |
| 99  | SA01S           | 2015        | 4          | 19-42       | 102° 46' 14,499" E | 2° 15' 19,962" S |
| 100 | SA01S           | 2015        | 4          | 19-43       | 102° 46' 14,561" E | 2° 15' 19,682" S |
| 101 | SA01S           | 2015        | 4          | 20-44       | 102° 46' 14,838" E | 2° 15' 19,596" S |
| 102 | SA01S           | 2015        | 4          | 20-45       | 102° 46' 14,900" E | 2° 15' 19,277" S |
| 103 | SA01S           | 2015        | 4          | 18-40       | 102° 46' 14,199" E | 2° 15' 20,582" S |
| 104 | SA01S           | 2015        | 4          | 18-41       | 102° 46' 14,204" E | 2° 15' 20,387" S |
| 105 | SA01S           | 2015        | 4          | 18-43       | 102° 46' 14,289" E | 2° 15' 19,803" S |
| 106 | SA01S           | 2015        | 4          | 18-44       | 102° 46' 14,337" E | 2° 15' 19,515" S |
| 107 | SA01S           | 2015        | 4          | 18-45       | 102° 46' 14,379" E | 2° 15' 19,228" S |
| 108 | SA01S           | 2015        | 4          | 18-46       | 102° 46' 14,438" E | 2° 15' 18,922" S |
| 109 | SA01S           | 2015        | 4          | 17-41       | 102° 46' 13,952" E | 2° 15' 20,203" S |
| 110 | SA01S           | 2015        | 4          | 17-43       | 102° 46' 14,044" E | 2° 15' 19,617" S |
| 111 | SA01S           | 2015        | 4          | 17-44       | 102° 46' 14,098" E | 2° 15' 19,355" S |
| 112 | SA01S           | 2015        | 4          | 17-45       | 102° 46' 14,163" E | 2° 15' 19,064" S |
| 113 | SA01S           | 2015        | 4          | 15-42       | 102° 46' 13,495" E | 2° 15' 19,845" S |
| 114 | SA01S           | 2015        | 4          | 15-43       | 102° 46' 13,564" E | 2° 15' 19,581" S |
| 115 | SA01S           | 2015        | 4          | 15-44       | 102° 46' 13,608" E | 2° 15' 19,270" S |
| 116 | SA01S           | 2015        | 4          | 15-45       | 102° 46' 13,649" E | 2° 15' 18,987" S |
| 117 | SA01S           | 2015        | 4          | 15-46       | 102° 46' 13,708" E | 2° 15' 18,686" S |
| 118 | SA01S           | 2015        | 4          | 14-43       | 102° 46' 13,255" E | 2° 15' 19,779" S |

| No. | Nomor Percobaan | Tahun Tanam | No. Persil | Nomor Pohon | Titik Koordinat    |                  |
|-----|-----------------|-------------|------------|-------------|--------------------|------------------|
|     |                 |             |            |             | Longitude          | Latitude         |
| 119 | SA01S           | 2015        | 4          | 14-44       | 102° 46' 13,321" E | 2° 15' 19,401" S |
| 120 | SA01S           | 2015        | 4          | 13-43       | 102° 46' 13,008" E | 2° 15' 19,561" S |
| 121 | SA01S           | 2015        | 4          | 13-44       | 102° 46' 13,067" E | 2° 15' 19,219" S |
| 122 | SA01S           | 2015        | 4          | 13-46       | 102° 46' 13,170" E | 2° 15' 18,639" S |
| 123 | SA01S           | 2015        | 4          | 13-47       | 102° 46' 13,216" E | 2° 15' 18,358" S |
| 124 | SA01S           | 2015        | 4          | 12-44       | 102° 46' 12,805" E | 2° 15' 19,347" S |
| 125 | SA01S           | 2015        | 4          | 12-45       | 102° 46' 12,846" E | 2° 15' 19,041" S |
| 126 | SA01S           | 2015        | 4          | 12-46       | 102° 46' 12,895" E | 2° 15' 18,725" S |
| 127 | SA01S           | 2015        | 4          | 12-47       | 102° 46' 12,931" E | 2° 15' 18,453" S |
| 128 | SA01S           | 2015        | 4          | 12-48       | 102° 46' 12,972" E | 2° 15' 18,164" S |

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HERU TRI WIDARTO