

**MALAYSIAN SUSTAINABLE PALM OIL
– SURVEILLANCE ASSESSMENT ASA 4
Public Summary Report**

LEMBAGA MINYAK SAWIT MALAYSIA (MPOB) CAWANGAN SARATOK
Client company Address: Pejabat MPOB Cawangan Saratok, 1st & 2nd Floor, Taman Muhibbah, 95400 Saratok.
Certification Unit: Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12)
Location of Certification Unit: Saratok, Sarawak, Malaysia

**Report prepared by:
MUHAMAD NAQUIDDIN MAZELI (Lead Auditor)**

**Report Number:
9673713**

Assessment Conducted by:
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Section 1: Executive Summary

1.1 Organizational Information and Contact Person			
MPOB License	N/A		
Company Name	Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12)		
Address	Pejabat MPOB Cawangan Saratok, 1st & 2nd Floor, Taman Muhibbah, 95400 Saratok.		
Group name if applicable:	N/A		
Subsidiary of (if applicable)	N/A		
Contact Person Name	Anna Sato Julai		
Website	-	E-mail	anna.sato@mpob.gov.my
Telephone	083436273	Facsimile	083436152

1.2 Certification Information			
Certificate Number	MSPO 642176		
Issue Date	28/10/2015	Expiry date	27/10/2020
Scope of Certification	Production of Sustainable Oil Palm Fruits		
Stage 1 Date	Pilot/ Stage I Assessment: 19-21/10/2014		
Stage 2 / Initial Assessment Visit Date (IAV)	3/9/2015		
Continuous Assessment Visit Date (CAV) 1	20-22/12/2016		
Continuous Assessment Visit Date (CAV) 2	14-16/8/2017		
Continuous Assessment Visit Date (CAV) 3	1-3/10/2018		
Continuous Assessment Visit Date (CAV) 4	19-23/8/2019		
Other Certifications			
Certificate Number	Standard(s)	Certificate Issued by	Expiry Date
MPOB-CoP/SH/0004	MPOB Sustainable Palm Oil Cluster (SPOC)	MPOB	

1.3 Location of Certification Unit			
Name of the Certification Unit (Palm Oil Mill/ Estate/ Smallholder/ Independent Smallholder)	Site Address	GPS Reference of the site office	
		Longitude	Latitude

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SUSTAINABLE PALM OIL CLUSTER (SPOC) Q12 SARATOK & BUDU	Pejabat MPOB Cawangan Saratok, 1st & 2nd Floor, Taman Muhibbah, 95400 Saratok.	111° 20' 23.3" E	1° 44' 32.5" N
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1.4 Plantings & Cycle

Estate	Age (Years) - ha				
	0 - 3	4 - 10	11 - 20	21 - 25	26 - 30
N/A					

1.5 FFB Production (Actual) and Projected (tonnage)

Producer Group	Projected from last audit	Actual production Jan – Dec 2019 or last 12 months	Projected production for next 12 months (Jan – Dec' 2020)
Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12)	N/A	N/A	26116 MT

1.6 Certified CPO / PK Tonnage

Mill	Estimated (Previous Year)	Actual (This Year)	Forecast (Next Year)
N/A	CPO (OER: %)	CPO (OER: %)	CPO (OER: %)
	N/A		
	PK (KER: %)	PK (KER: %)	PK (KER: %)
	N/A		

1.7 Certified Area

Estate	Total Planted (Mature + Immature) (ha)	HCV (ha)	Infrastructure & Other (ha)	Total Area (ha)	% of Planted
N/A	2,257.74			2,257.74	
TOTAL					

1.8 Details of Certification Assessment Scope and Certification Recommendation:

BSI Services Malaysia Sdn Bhd has conducted the Annual Surveillance 4 Certification Assessment of Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12), located in Saratok, Sarawak comprising 564 smallholder and infrastructure.

The assessment was conducted onsite to assess the compliance of the certification unit against the MS 2530-2:2013 Malaysian Sustainable Palm Oil (MSPO) Part 2: General principles for Independent Small holders and MSPO Guidance - Part 2(060814).

The onsite assessment was conducted on 19 -23 August 2019.

Based on the assessment result, Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12) complies with the MS 2530-2:2013 Malaysian Sustainable Palm Oil (MSPO) Part 2: General principles for Independent Small holders and MSPO Guidance - Part 2 and recommended for certification.

Section 2: Assessment Process

Certification Body:

BSI Services Malaysia Sdn Bhd,
Suite 29.01 Level 29 The Gardens North Tower,
Mid Valley City Lingkaran Syed Putra,
59200 Kuala Lumpur
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BSI is a leading global provider of management systems assessment and certification, with more than 60,000 certified locations and clients in over 100 countries. BSI Standards is the UK's National Standards Body. BSI provides independent, third-party certification of management systems.

Assessment Methodology, Programme, Site Visits

This on-site assessment was conducted from 19 - 23 August 2019. The audit programme is included as Appendix A. The approach to the audit was to treat the Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12) as a MSPO Certification Unit. A range of environmental and social factors were covered. This includes consideration of topography, palm age, proximity to areas with HBVs, declared conservation areas and local communities.

The methodology for collection of objective evidence included physical site inspections, observation of tasks and processes, interviews of staff, workers and their families and external stakeholders, review of documentation and monitoring data. MS 2530-2:2013 were used to guide the collection of information to assess compliance. The comments made by external stakeholders were also taken into account in the assessment.

The estates or smallholders sample were determined based on formula $S = r\sqrt{n}$ where n is the number of estates while when applicable, the smallholders sample were determined following the MSPO Certification Requirement. The sampling of smallholders were based on the formula $(r\sqrt{n})$; where r is the risk factor (may defers 1, 1.5 and 2 depending on risk), where n is total number of group members. The sampled smallholder listed in Appendix C.

Meetings were held with stakeholders to seek their views on the performance of the company with respect to the MSPO requirements and aspects where they considered that improvements could be made. At the start of each meeting, the interviewer explained the purpose of the audit followed by an evaluation of the relationship between the stakeholder and the company before discussions proceeded. The interviewer recorded comments made by stakeholders and these have been incorporated into the assessment findings.

Structured worker interviews with male and female workers and staff were held in private at the workplace in the mill and the estates. Fieldworkers were interviewed informally in small groups in the field. In addition, the wives of workers and staff were interviewed in informal group meetings at their housing. Separate visits were made to each of the local communities to meet with the village head and residents. Company officials were not present at any of the internal or external stakeholder interviews. A list of Stakeholders contacted is included as Appendix B.

This report is structured to provide a summary of assessment finding as attached in the Section 3. The assessment was based on random samples and therefore nonconformities may exist that have not been identified.

This report was externally reviewed by MSPO approved Peer Reviewer prior to certification decision by BSI.

The following table would be used to identify the locations to be audited each year in the 5 year cycle

1. Assessment Program					
Name (Mill / Plantation / Group smallholders)	Year 1 (Certification)	Year 2 (ASA 1)	Year 3 (ASA 2)	Year 4 (ASA 3)	Year 5 (ASA 4)
Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12)	12 Members	12 Members	12 members & 10 new members	15 members & 3 new members	8 members & 23 new Members

Tentative Date of Next Visit: August 17, 2020 - August 21, 2020

Total No. of Mandays: 10

BSI Assessment Team:

Muhamad Nagiuddin Mazeli– Lead Assessor

He hold Bachelor of Science Horticulture, graduated from University Putra Malaysia. He has 11 years working experience in oil palm plantation industry as sustainability team. Joining the sustainability team, he managed, implement and monitors the RSPO, ISCC, MSPO and ISO9001 and ISO 18001 certification requirements for the estates, mills, refineries and Smallholder scheme. He also support in providing training related to RSPO, MSPO and other certifications where applicable to the operations during previous company. He is a trained as Safety and Health Officer, Food Safety System (FSSC and ISO 22000) for Mill and refineries, ISO 9001, ISO 45001 and already attend HCV training with Proforest. During this assessment, he assessed on the aspects of legal, mill best practices, estate best practices, safety and health, environmental and workers and stakeholders consultation.

Mohd Hafiz Mat Hussain – Team Member

He holds Bachelor Degree in Plantation Technology and Management, graduated from University Technology Mara (UiTM) on 2009. He has 4 years working experience in oil palm plantation industry. He also has the experiences as an auditor for several standards including ISO 9001, ISO 140001, OHSAS 18001, MSPO and RSPO in his previous certification body. He completed the ISO 9001 Lead Auditor Course, ISO 14001 Lead Auditor Course and OHSAS 18001 Lead Auditor Course in 2013, Endorsed RSPO P&C Lead Auditor Course in 2014 and MSPO Awareness Training in 2014. He had been involved in RSPO auditing since May 2013 in more than various companies in Malaysia. During this assessment, he assessed on the aspects of legal, mill best practices, supply chain, estate best practices, social issues and workers/stakeholders consultation.

Section 3: Assessment Findings

3.1 Details of audit results

This assessment has been assessed using the following RSPO normative requirements. The assessment details are provided in Appendix A.

- MSPO MS 2530-2:2013 – General Principles for Independent Smallholders
- MSPO MS 2530-3:2013 – General Principles for Oil Palm Plantations and Organized Smallholders
- MSPO MS 2530-4:2013 – General Principles for Palm Oil Mills

3.2 Details of Nonconformities and Opportunity for improvement

The nonconformity is listed below.

During the Certification Assessment there were 1 Minor nonconformities raised. The Sustainable Palm Oil Cluster (SPOC) Saratok & Budu (Q12) Certification unit submitted Corrective Action Plans for the nonconformity. Corrective action plans with respect to the nonconformity was reviewed by the BSI audit team and accepted.

The implementation of the corrective action plans to address the minor nonconformity will be followed up during the next surveillance assessment. The implementation of the Corrective Actions for the Minor Nonconformity (ies) has been verified for its effectiveness and the implementation will be verified during next surveillance.

Minor Nonconformities:		
Ref	Area/Process	Clause
1815847-201908-N1	SPOC Saratok & Budu (Q12)	4.4.4.1
Requirements:	Independent smallholders are encouraged to seek knowledge to increase their competency in oil palm management	
Statement of Nonconformity:	Found smallholder competency in Oil Palm Management was	
Objective Evidence:	MPOB Saratok & Budu has conducted a training on 24 April 2019 where members were informed to use glyphosate and other Class III pesticides instead of paraquat and also no open burning. However, based on site visit and interview, it was found:- 1. Almost 20 members were still using paraquat. 2. dispose fertilizer bag by burn it	
Corrections:	1.Reminder letter have been issued to the independent smallholders to stop using paraquat and change to glyphosate and other class III herbicides 2.The brochure of paraquat being ban 1st January 2020 from Department are also distributed to the independent smallholders. 3.Reminder letter have been issued to the independent smallholders to stop all open burning to dispose empty fertilizer bag and empty chemical container. 4.Preparation of yearly training programme to independent smallholders about the management schedule waste (empty chemical containers, empty fertilizer bag),usage of personal protection equipment (PPE),also chemical control and pesticide application in oil palm management.	

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Root cause analysis:	<p>1.Independent smallholders still using paraquat because they have bought the chemicals before they attend awareness training regarding the control of using paraquat.</p> <p>2.Besides that,independent smallholders want to clear the stock balance in order to reduce their operation cost.</p> <p>3.The training that have been done not so effective as the independent smallholders still not practice the proper way to dispose the fertilizer’s bags.</p>
Corrective Actions:	<p>1.The frequency of awareness training regarding the paraquat usage and the mandatory banned beginning 1st January 2020 will be increase in the future to ensure the independent smallholders will stop using paraquat.</p> <p>2.Spesific training on the management of schedule waste and the usage of personal protection equipment (PPE) will be conduct to increase the independent smallholders’s competency in oil palm management.</p>
Assessment Conclusion:	Implementation of corrective action will be verified on the next surveillance.

Opportunity For Improvement		
Ref	Area/Process	Clause
1815847-201908-I1	SPOC Saratok & Budu (Q12)	4.6.1.2
Requirements:		
Objective Evidence:	<p>A visual identification or reference system shall be established for each field or block of oil palm planting by group manager (where practical).</p> <p>A visual identification for the smallholder could be improve to ease identification during site inspection.</p>	

Noteworthy Positive Comments	
1	The SPOC Saratok Group management has maintained a very good relationship with the local community and other stakeholders
2	Good commitment and cooperation from both group management and members were towards MSPO certification was noted throughout the audit.

3.3 Status of Nonconformities Previously Identified and OFI

Finding Reference	1690025-201809-M1	Certificate Reference	MSPO 642176
Certificate Standard	MS2530-2:2013	Clause	4.4.3.3
Category	Major		
Area/Process:	As per summary report.		
Details:	There was no evidence that the Group Manager has ensured that whether or not the pay and conditions of workers hired by a smallholder met the legal standards as per mutual agreements.		
Objective evidence:	One of the SPOC members (Andam@Sulin Ak Brayun) has hired 2 Indonesians to work in his plantation. However, there was no evidence that the Group Manager has ensured that whether or not the pay and conditions of the 2 workers had met the legal standards as per mutual agreements.		
Cause			
Ahli SPOC tidak memaklumkan kepada Group Manager mengenai penggajian 2 pekerja TKI untuk bekerja di kebun sawit.			
Correction / containment			
Group Manager perlu mendapatkan maklumat dan dokumen yang berkaitan dengan penggajian 2 pekerja TKI oleh ahli SPOC. Surat peringatan akan diberikan kepada ahli SPOC agar memaklumkan kepada Group Manager mengenai maklumat-maklumat 2 pekerja TKI yang bekerja di kebun sawit seperti perjanjian pembayaran gaji, rekod pembayaran gaji, passport pekerja dan permit kerja.			
Corrective action			
Surat peringatan dikeluarkan kepada semua ahli SPOC Saratok (220 orang) supaya memaklumkan kepada Group Manager (sekiranya ada) menggunakan tenaga kerja dan mengaji pekerja TKI dari masa ke semasa. Group Manager bangunkan satu file untuk menyimpan rekod dan maklumat ahli SPOC Saratok yang ada mengaji TKI. Kandungan didalam file adalah termasuk maklumat mengenai perjanjian pembayaran gaji, rekod pembayaran gaji, passport pekerja dan permit kerja. File ini dikemaskini dari masa ke semasa.			
Verification during ASA4: Based on the site visit and document review, there was no smallholders that were hired TKI to work in their field. Thus, the major NC remain closed.			
Closed?:			
Yes			

3.4 Issues Raised by Stakeholders

IS #	Description
1	<p>Issues: No negative comments from the interviewed stakeholders. Generally, relationship between the stakeholders and smallholders was good.</p>
	<p>Management Responses: Maintain the good relationship</p>
	<p>Audit Team Findings: No further action is required</p>

3.5 Summary of the Nonconformities and Status

CAR Ref.	CLASS	ISSUED	STATUS
1809851-201908-N1	Minor	8/8/2019	Open

3.6 Summary of the findings by Principles and Criteria

Criterion / Indicator		Assessment Findings	Compliance
4.1 Principle 1: Management commitment & responsibility			
Criterion 4.1.1 – Malaysian Sustainable Palm Oil (MSPO) Policy			
4.1.1.1	There shall be a policy binding smallholders to MSPO. Applicable to independent smallholders under group management. - Major compliance -	The MSPO Policy has been established which has been signed by each member of SPOC Q12 Saratok & Budu. Noted that the policy is communicated with smallholders through Briefing on MSPO SPOC Q12 which was conduct on 24 July 2019.	Yes
Criterion 4.1.2 – Continual Improvement			
4.1.2.1	The action plan for continual improvement shall be based on the consideration for the main social and environmental impact and opportunities of the independent smallholder’s group, such as SPOC. Independent smallholders shall be aware of the need to understand the importance of continuous improvement. - Major compliance -	The group manager had established a list identifying the social and environmental impact. Training for the smallholders in the event for improvement on the awareness of best practices and safety has been provided. For examples, the training “Program taklimat pensijilan MSPO” and “Kursus sehari sawit dan promosi koperasi penanam sawit mampan” was conducted on 16/3/2019 by MPOB (Unit TUNAS). The continual improvement communication with smallholder was conducted through annual grand meeting. The last meeting was held on the 23rd March 2019.	Yes
4.1.2.2	Group management shall establish a system to improve practices in line with new information and techniques; and for disseminating this information throughout the group members. - Major compliance -	The new technologies or information will disseminate through training program, site visit and discussion. The record of the training has been organized from time to time. The record of the recommended action will be recorded in the ‘Laporan lawatan khidmat nasihat’ MPOB (as part of internal audit).	Yes

Criterion / Indicator		Assessment Findings	Compliance																
4.2 Principle 2: Transparency																			
Criterion 4.2.1 – Traceability																			
4.2.1.1	The group management shall commit itself to implement and maintain the requirements for traceability. - Major compliance -	The individual field record book system has been implemented. The FFB sales data were collected on monthly basis by Group manager and summarised in FFB Production SPOC Q12 Saratok Dan Budu and "Laporan hasil BTS pekebun". Sampled records for the month of Sept 18 – July 19 were verified.	Yes																
4.2.1.2	To keep records of sales and delivery or transportation of fresh fruit bunches. - Major compliance -	The record of weighbridge ticket for the FFB sold to the Saratok Palm Oil Mill was available with the group management. When crop were sent to other POM or collection centre, the transportation summary can be obtained from the companies.	Yes																
4.3 Principle 3: Compliance to legal requirements																			
Criterion 4.3.1 – Regulatory requirements																			
4.3.1.1	Independent smallholders shall show awareness of compliance with all applicable local, state, national and ratified international laws and regulations. - Major compliance -	<p>Interview with the smallholders found that they are aware of the compliance with all applicable laws. Document review found all the 31 sampling smallholders have obtained the MPOB license</p> <p>Samples of the MPOB license checked:-</p> <table border="1"> <thead> <tr> <th>Name</th> <th>MPOB License</th> <th>Ha.</th> <th>Expiry</th> </tr> </thead> <tbody> <tr> <td>Melanyi Anak Maleng</td> <td>445750-001000</td> <td>5.42</td> <td>31 Dec 2019</td> </tr> <tr> <td>Louis Anak Dumbum</td> <td>488910-801000</td> <td>14.07</td> <td>31 March 2022</td> </tr> <tr> <td>Berundang Ak Ludan</td> <td>764903001029</td> <td>3.05</td> <td>31 March 2024</td> </tr> </tbody> </table>	Name	MPOB License	Ha.	Expiry	Melanyi Anak Maleng	445750-001000	5.42	31 Dec 2019	Louis Anak Dumbum	488910-801000	14.07	31 March 2022	Berundang Ak Ludan	764903001029	3.05	31 March 2024	Yes
Name	MPOB License	Ha.	Expiry																
Melanyi Anak Maleng	445750-001000	5.42	31 Dec 2019																
Louis Anak Dumbum	488910-801000	14.07	31 March 2022																
Berundang Ak Ludan	764903001029	3.05	31 March 2024																

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Criterion / Indicator		Assessment Findings				Compliance
		Kandun Ak Anga	452811-301000	2.0	31 Mei 2020	
		Chundi Anak Umbih	459162-101000	2.02	30 Nov 2020	
		Julai Ak Luyuh	552270-901000	2.00	30 Sept 2019	
		Aji anak Chek	495725-101000	6.05	31 August 2022	
		Desmond Reynold Anak Jemeni	538816-601000	6.76	28 Feb 2020	
		Galingi @Lulong Ak Dupo	243764-201000	1.62	31 March 2020	
		Mathew Enggah Layang Ak Ngaoh	768433001029	19.86	30 April 2024	
		Martin Anak Chadau	411954-001000	6.69	31 Oct 2022	
		Runggai Anak Andin	549527-201000	7.37	30 June 2020	
		Bunyam Anak Empenit	549520-501000	7.05	30 June 2020	
		Wong ah Chin	559850-101000	5.68	1 March 2021	
		Changgie Anak Briak	480727-601000	1.01	30 Nov 2021	
		Mile@Mail Anak Dumel	598462-101000	1.77	31 March 2023	
		Kadir Anak Indam	443203-501000	6.05	31 Oct 2019	

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Criterion / Indicator		Assessment Findings				Compliance
		Bayang Anak Sungkey	554314-501000	34.46	31 Oct 2020	
		Dana Anak Ringkai	588609-301000	1.35	30 Sept 2022	
		Atin Anak Munsa	452805-901000	2.70	31 May 2020	
		Lina Joll	572145-101000	2.36	30 Nov 2021	
		Harworth Manja Anak Empeyu	482650-501000	8.23	31 Jan 2022	
		Rekan Anak Isot	405314-001000	6.2	30 April 2022	
Criterion 4.3.2 – Lands use rights						
4.3.2.1	Independent smallholders shall demonstrate rights to their landholdings and there is no evidence of major land disputes. - Major compliance -	Most of the land that owned by the smallholders are NCR land and MPOB license was the proof of legal ownership and also letter of Palm Oil verification approval by Head of Village.				Yes
Criterion 4.3.3 – Customary rights						
4.3.3.1	Independent smallholders shall demonstrate customary rights to their landholdings Note: Where recognized customary or legally owned land has been taken over and where there is documentary proof of a transfer of rights (e.g. sale) and of payment or provision of agreed compensation. - Major compliance -	Interview with the village head confirmed that the smallholders have the customary rights on the land. MPOB license is the legal document for the land ownership for the NCR lands as it is recognised by the village heads.				Yes

Criterion / Indicator		Assessment Findings	Compliance
4.3.3.2	Maps of an appropriate scale showing extent of recognized customary rights land, if any, should made available. - Minor compliance -	A sketch map of the smallholder’s farm was available and the group manager can ensure that no overlapping with the neighbour by the number of palms as compare to the size as approved in the MPOB license. The survey map, Saratok District Suitability for Oil Palm also available at site office which was carried out by <i>GIS Cawangan Pengurusan Tanah, Jabatan Pertanian Kuching Sarawak 2012.</i>	Yes
4.4 Principle 4: Social responsibility, health, safety and employment condition			
Criterion 4.4.1: Complaints and grievances			
4.4.1.1	Independent smallholders shall be able to respond to complaints that are raised by their neighbours or other stakeholders. - Major compliance -	The established complaint and grievances system for internal and external “Carta Aliran Aduan Anggota KPSM Daerah Saratok Berhad” and “Borang Aduan dan Rungutan- SPOC Q12 Saratok dan Budu (Q12): F-01/AR/2016” were implemented. The group manager is the responsible person to response to any complaints or grievances received. The complaint log book was placed at Tunas Office. Review of the complaint record log book found no complaint or grievances was recorded as to date.	Yes
4.4.1.2	The local system should be able to resolve disputes. - Minor compliance -	The established complaint and grievances system for internal and external “Carta Aliran Aduan Anggota KPSM Daerah Saratok Berhad” and “Borang Aduan dan Rungutan- SPOC Q12 Saratok dan Budu (Q12): F-01/AR/2016” were implemented. The group manager is the responsible person to response to any complaints or grievances received. The complaint log book was placed at Tunas Office. Review of the complaint record log book found no complaint or grievances was recorded as to date. From the records and interview with stakeholder, the system used to resolve the disputes was found to be effective. Most of the smallholders and stakeholders understand the process.	Yes

Criterion / Indicator		Assessment Findings	Compliance
Criterion 4.4.2: Employees safety and health			
4.4.2.1	Independent smallholders need not have a formal health and safety plan but shall ensure that all work practices are safe. - Major compliance -	The management already establish standard procedure for safety as per below detail:- a) Chemical handling Container and waste (SOP-02/BK/2016) dated 1 April 2016 b) Nadopod procedure (SOP-03/AK/2016) dated 1 April 2016 No record of accident or incident in SPOC 12 Saratok/Budu There also have SOP for "Pengendalian Dan Pelupusan Bahan Kimia" (SOP-02/BK/2016) dated 1 April 2016 are implemented as per SOP and verified during interview. For PPE training and triple rinsing training already conduct on 24 April 2019 at Rumah Langkan, Dabai Baru, Roban by En Hanleey Melina Berundang and En Awang Sufian. Based on document MPOB already give PPE to smallholder latest date on 25 July 2019 The MPOB officers also conduct regular visits to the smallholder farms to ensure the implementation dated latest visit was on 24 Jan 2019 at Lubuk Lidung (GAP/Sarawak/Saratok/PT-STK/2019/8).	Yes
Criterion 4.4.3: Employment conditions			
4.4.3.1	For independent smallholders with temporary workers, work conditions shall be in accordance with a mutual verbal agreement made transparently and freely. - Minor compliance -	This indicator is not applicable to this group of smallholder as there were no workers being employed in the smallholding as it was managed by themselves and their respective family members	Yes
4.4.3.2	Independent smallholders & group managers shall provide equal opportunity and treatment regardless of race, gender, religion,	This indicator is not applicable to this group of smallholder as there were no workers being employed in the smallholding as it was managed by themselves and their respective family members.	Yes

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Criterion / Indicator		Assessment Findings	Compliance
	political affiliation, nationality, social origin or other distinguishing characteristics and shall not engage in or support discriminatory practices in line with national aspiration. - Minor compliance -		
4.4.3.3	Group managers for Independent smallholders shall ensure that worker's pay and conditions meet legal standards as per mutual agreements. - Major compliance -	This indicator is not applicable to this group of smallholder as there were no workers being employed in the smallholding as it was managed by themselves and their respective family members.	Yes
4.4.3.4	In cases where on-site living quarters are provided, these quarters shall be habitable and have basic amenities, where available and practical. - Major compliance -	This indicator is not applicable to this group of smallholder as there were no workers being employed in the smallholding as it was managed by themselves and their respective family members.	Yes
4.4.3.5	Children and young persons are not to be employed or exploited. The minimum age and conditions of employment shall comply with local, state or national legislation. Work by children is acceptable on family farms, under adult supervision, and when it does not interfere with their education. Children are not to be exposed to hazardous working conditions. - Major compliance -	Young persons and children were not observed working in the farm during the visit. Interview with the smallholders found they are aware of the importance of education and allow their children's to attend school.	Yes
Criterion 4.4.4: Training and competency			
4.4.4.1	Independent smallholders are encouraged to seek knowledge to increase their competency in oil palm management.	Group Manager together with the "Pegawai Tunas Kawasan" on-site MPOB Officers had planned and conducts regular trainings for the smallholders. Smallholders' interview found that they always	Not Comply

Criterion / Indicator		Assessment Findings	Compliance						
	- Minor compliance -	seek advice from group manager and MPOB officers to increase their competency in oil palm management. Sample of training record checked; the training "Program taklimat pensijilan MSPO" and "Kursus sehari sawit dan promosi koperasi penanam sawit mampan" was conducted on 16/3/2019 by MPOB (Unit TUNAS) and 'Laporan lawatan khidmat nasihat' MPOB (as part of internal audit). MPOB Saratok & Budu has conducted a training on 24 April 2019 where members were informed to use glyphosate and other Class III pesticides instead of paraquat and also no open burning. However, based on site visit and interview, it was found:- 1. Almost 20 members were still using paraquat. 2. dispose fertilizer bag by burn it							
4.5 Principle 5: Environment, natural resources, biodiversity and ecosystem services									
Criterion 4.5.1: Environmental Management Plan									
4.5.1.1	Independent smallholders are expected to be aware of the environmental impact but are not expected to undertake any formal impact assessment unless there is a legal requirement. - Minor compliance -	Environmental action plan was available referred document no. L-03/ISP/2016 dated 1 April 2019 rev 1. From the impact assessment they already establish an action plan as per sampling below:- <table border="1" data-bbox="1086 1053 1870 1284"> <thead> <tr> <th>Activity</th> <th>Action Plan</th> <th>Evidence</th> </tr> </thead> <tbody> <tr> <td>Fertiliser and pesticide implementation</td> <td>-To ensure keep the fertilizer and pesticide securely - To ensure the PPE been used properly</td> <td>As per regular visit to the smallholder fields dated 24 Jan 2019</td> </tr> </tbody> </table> Interview with smallholders found they were able to explain the environmental impacts and needs for the protection of environment.	Activity	Action Plan	Evidence	Fertiliser and pesticide implementation	-To ensure keep the fertilizer and pesticide securely - To ensure the PPE been used properly	As per regular visit to the smallholder fields dated 24 Jan 2019	Yes
Activity	Action Plan	Evidence							
Fertiliser and pesticide implementation	-To ensure keep the fertilizer and pesticide securely - To ensure the PPE been used properly	As per regular visit to the smallholder fields dated 24 Jan 2019							

Criterion / Indicator		Assessment Findings	Compliance
Criterion 4.5.2: Efficiency of energy use and use of renewable energy			
4.5.2.1	The use of renewal energy should be applied where possible. - Minor compliance -	For renewable energy in SPOC Q12 Saratok/Budu was not available however Group manager keep the record of energy use pertonne FFB produce on daily basis for those use the cooperative transport.	Yes
Criterion 4.5.3: Waste management and disposal			
4.5.3.1	All waste products and sources of pollution shall be identified by the group manager. - Major compliance -	Identification of waste products and sources of pollution was identified by the group manager available under waste production file. They identified 3 type of waste in SPOC Q12 Saratok/Budu as per waste identification. The group manager has conducted training to all smallholders on 24 April 2019, "Kursus sehari sawit, seminar pembangunan pekebun kecil" with regards to safety, GAP and on the identification of agriculture waste and its management guidelines.	Yes
4.5.3.2	Group managers shall ensure that waste from the smallholdings is disposed of appropriately. Smallholders shall adopt local and national legislation to dispose of hazardous chemicals and their containers. - Major compliance -	The group manager has conducted refresher training to all smallholders on 24 April 2019, "Kursus sehari sawit, seminar pembangunan pekebun kecil" with regards to safety, GAP and the agriculture waste management guidelines. The MPOB officers also conduct regular visits to the smallholder farms to ensure the proper disposal of hazardous chemicals and their containers by the smallholders. Interview with smallholders and visit to the smallholders' farms found that the empty chemical containers and empty fertilizer bags were re-use for spraying and harvesting activity.	Yes
Criterion 4.5.4: Natural water resources			

Criterion / Indicator		Assessment Findings	Compliance
4.5.4.1	Group managers should ensure that Independent smallholders can demonstrate that they understand the need to maintain the quality and availability of surface and ground water and steps are being taken for its implementation. - Minor compliance -	"Kursus sehari sawit, seminar pembangunan pekebun kecil" was conducted on 24 April 2019 to covers the need to maintain the quality and availability of surface and ground water. Smallholders interviewed are able to explain the needs and steps were taken such as no blanket spraying, maintenance of riparian buffer zones and etc.	Yes
4.5.4.2	Water harvesting practices should be implemented. - Minor compliance -	Rain water harvesting has been implemented by the smallholders that are being used for pre-mix of agrochemicals.	Yes
Criterion 4.5.5: Status of rare, threatened, or endangered species and high biodiversity value			
4.5.5.1	Group manager or relevant government agency should ensure that Independent smallholders are able to show a basic understanding of any species or habitats of concern, together with their conservation needs. Information on protected species and their habitat with high biodiversity value may be obtained from relevant government agencies, such as the Forestry Department, Forest Research Institute of Malaysia and the Wildlife Department. - Minor compliance -	Interview of smallholders found that they are able to show a basic understanding of any species or habitats of concern, together with their conservation needs. Group manager has distributed a poster on "haiwan dan tumbuh-tumbuhan terlindung sepenuhnya di Sarawak" to all smallholders during "Kursus sehari sawit, seminar pembangunan pekebun kecil" on 24 April 2019.	Yes
Criterion 4.5.6: Zero burning practices			
4.5.6.1	Independent smallholders shall not practice open burning during land preparation for oil palm cultivation or replanting, unless with the permission of relevant state authorities. - Major compliance -	Group manager together with MPOB officers (Pegawai Tunas kawasan) En Hanleey conduct regular visit to the smallholder fields (3 August 2019)to monitor for any open burning activity. During site visit at smallholder's farm, there is no open burning was carried out. The group manager has been brief to all smallholders on the restriction of open burning for land preparation during "Kursus	Yes

Criterion / Indicator		Assessment Findings	Compliance
		sehari sawit, seminar pembangunan pekebun kecil” on 24 April 2019.	
4.6 Principle 6: Best Practices			
Criterion 4.6.1: Site Management			
4.6.1.1	Group managers & relevant government agencies should encourage all independent smallholders’ to implement best practices such as the MPOB Codes of Practice, Malaysian Standards and the Kod Amalan Baik (GAP) Pekebun Kecil. - Minor compliance -	Group manager and MPOB officers (Pegawai Tunas) conduct regular inspection following the MPOB Good Agricultural Practice. Trainings on best practices have been given to smallholders during “Program taklimat pensijilan MSP0” and “Kursus sehari sawit dan promosi koperasi penanam sawit mampan” was conducted on 16/3/2019. Field visit found that smallholders are implementing best practices such as frond stacking, road maintenance, water management and etc.	Yes
4.6.1.2	A visual identification or reference system shall be established for each field or block of oil palm planting by group manager (where practical). - Major compliance -	Boundary markers between Smallholders were marked with frond stacking, trenches, construction of subsidiary drain and coconut trees. Majority farms were NCR lands where there were no disputes noted.	Yes
Criterion 4.6.2: Economic and financial viability plan			
4.6.2.1	Group manager shall establish a documented business or management plan to demonstrate attention to economic and financial viability. - Major compliance -	Annual budget namely “Belanjawan Koperasi Penanam Sawit Mampan Bagi Tahun 2019 (Sept 19-Aug 20)” has been prepared by Group manager for the year 2019. The budget includes FFB Projection, FFB transport costing, Fertilizer costing, office administration costing and etc. The budget has been presented during the annual grand meeting dated 23rd March 2019 and agreed by the cooperative members.	Yes

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Criterion / Indicator		Assessment Findings	Compliance
Criterion 4.6.3: Transparent and fair price dealing			
4.6.3.1	Independent smallholders are encouraged to communicate with and have consultations with dealers, millers, local communities and other affected or interested parties. - Minor compliance -	Group manager with the assistance of MPOB has negotiated FFB pricing with Saratok Palm Oil Mill for the smallholders FFB dated 18/1/2012. There were no disputes on the payment noted during the audit. Group manager keeps a copy of all the FFB sales records. The monthly report by Saratok palm oil mill namely FFB Price computation	Yes
4.7 Principle 7: Development of new planting			
Criterion 4.7.1: Oil palm shall not be planted on land with a high biodiversity value			
4.7.1.1	Independent smallholders shall not plant oil palm on land with high biodiversity value as identified by local, state and national legislation. - Major compliance -	MPOB officers (Pegawai Tunas) and Agricultural department officers conduct field inspection prior to new planting to verify the area for soil suitability and availability of high biodiversity value in the smallholders land using form TBS01. Noted that, in 2015 until todate no new planting was carried out by smallholders.	Yes
Criterion 4.7.2: Soil Survey			
4.7.2.1	Independent smallholders should obtain information on soil types, topography and their suitability for oil palm plantings from the relevant government agency. New planting plans should be prepared in consultation with extension service officers. - Minor compliance -	Agricultural department provide information on soil types, topography and their suitability for oil palm planting. Topography maps namely Digital Soil Map was available at site office. From the soil map, SPOC Q12 Saratok & Budu have Anderson, Bijat;Tatau;Semadoh, Kapit, Merit dan Saratok soil type as per map dated 27 July 2018 prepared by Geospatial Technology Group., MPOB	Yes
Criterion 4.7.3: Extensive planting on steep terrain, marginal and fragile soils			

Criterion / Indicator		Assessment Findings	Compliance
4.7.3.1	Extensive planting on steep terrain, marginal and fragile soils, shall be avoided unless permitted by local legislation. Independent smallholders who establish new plantings on steep terrain, marginal and fragile soils, should adopt appropriate and viable conservation measures. - Major compliance -	No new planting in scheme SPOC Q12 Saratok & Budu	Yes

Section 4: Assessment Conclusion and Recommendation

Acknowledgement of Internal Responsibility and Formal Sign-off of Assessment Findings	
Based on the findings during the assessment Saratok & Budu Sustainability Palm Oil Cluster(SPOC) Certification Unit complies with the MS 2530-2:2013 . It is recommended that the certification of Saratok & Budu Sustainability Palm Oil Cluster(SPOC) Certification Unit is approved and/or continued.	
Acknowledgement of Assessment Findings	Report Prepared by
Name: HANLEEY MELINA ANAK BERUNDANG	Name: Muhamad Naquiddin Mazeli
Company name: MALAYSIAN PALM OIL BOARD (MPOB)	Company name: BSI Services Malaysia Sdn. Bhd.
Title: GROUP MANAGER	Title: Client Manager
Signature: 	Signature: 
Date: 20/09/2019	Date: 19/9/2019

Appendix A: Assessment Plan

Date	Time	Subjects	MN	MH
Sunday 18/8/2019	0830-1700	Travelling from KL to Saratok	√	√
Monday 19/8/2019	0800-0830 0830-0900	Opening Meeting: <ul style="list-style-type: none"> Opening Presentation by Audit team leader. Confirmation of assessment scope and finalize Audit plan (including stakeholder’s consultation).	√	√
	0900-1230	Document review: Land use type, customary right land, complaints and grievance, safe work practices, employment conditions, training and competency, environmental management plan, energy usage, waste management plan, natural water resources, bio-D and ERT awareness, zero burning, best practices, site management and development of new planting (if any).	√	√
	1230-1330	Lunch	√	√
	1330-1630	Document Audit: Public documents, SOPs, Policies, Internal audit, Production & traceability requirements, FFB pricing, legal and other requirements, review on SEIA documents and records, wage records, complaint records, workers records, training records, permits, CIP, etc.	√	√
	1630-1700	Interim Closing briefing	√	√
Tuesday, 20/8/2019	0830–1230	Field Inspection – Smallholder 1 to 4: Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1230–1330	Lunch	√	√

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Date	Time	Subjects	MN	MH
	1330–1600	Field Inspection – Smallholder 5 to 8: Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1600-1700	Interim Closing briefing	√	√
Wednesday 21/8/2019	0830–1230	Field Inspection – Smallholder 9 to 12: Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1230–1330	Lunch	√	√
	1330–1600	Field Inspection – Smallholder 13 to 16 : Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1600-1700	Interim Closing briefing	√	√
Thursday 22/8/2019	0830–1230	Field Inspection – Smallholder 17 to 20: Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1230–1330	Lunch	√	√
	1330–1700	Field Inspection – Smallholder 21 to 24: Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1700-1730	Interim Closing briefing	√	√

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Date	Time	Subjects	MN	MH
Friday 23/8/2019	0830–1230	Field Inspection – Smallholder 25 to 28: Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1230–1330	Lunch	√	√
	1330–1600	Field Inspection – Smallholder 29 to 31: Field visit, boundary inspection, fertilizer application, weeding, harvesting, workers interview, buffer zone, HCV area, office, workshop, worker housing, landfill, chemical store and mixing, etc	√	√
	1600-1700	Finalization of audit findings & preparation of closing meeting	√	√
	1700-1730	Closing meeting	√	√

Appendix B: List of Stakeholders Contacted

<p>Internal Stakeholders:</p> <p>Group Manager MPOB Officers (Pegawai Tunas Kawasan) MPOB Officers (HQ) Cooperative Assistant Cooperative Smallholders</p>	<p>External Stakeholders:</p> <p>1. Nil</p>
<p>Group Members sampled (New Members):</p> <ol style="list-style-type: none"> 1. MAGAS AK CHALING 2. LAMBA AK MARA 3. CHEMI AK UPOL 4. BERUNDANG AK LUDAN 5. TR AJI AK CHEK 6. MUNGAT@YON AK BUMO 7. NYALONG AK MULU 8. REKAM ISOT 9. LOUIS DUMBUM 10. CHANGG AK SIAK 11. BUNYAM AK EMPENIT 12. RUNGGA AK ANDIN 13. MARTIN AK CHATAU 14. WONG AH CHIN 15. WILLIAM 16. KANDUN K ANGA 17. JULAI AK LUYOH 18. DESMOND RAYNOLD JEMAN 19. GALINGI AK DUPO 20. MATHEW ENGGAH LAYANG 21. LINDA JOLL 22. BAYANG AK SUNGKEY 23. DANA AK RINGKAI 	<p>Group Members sampled (Old Members):</p> <ol style="list-style-type: none"> 1. CHUNDI AK SADAN 2. DOMINIC AK DIAN 3. FREDRICK JUAN 4. JIMBAI AK TAPANG 5. JIMBAU AK GENU 6. LAMBA AK LAWEN 7. LAT AK MARA 8. JONATHAN NG

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Appendix C: Smallholder Member Details

No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
1	AGAK AK DINPI	2009	2.020	5.05
2	AGAL AK JAGA	2008/2013	3.900	9.75
3	ANDRE DANA AK LUAT	2009	2.700	6.75
4	ANDREW PETERSON AK SEMBILAN	2008	3.200	8
5	ANGELINA RENDU AK AMBROSE @ AMBU	2008/2010/2012/2013	18.180	45.45
6	AUGUSTINE A/L SANTEK	2012	1.000	2.5
7	AUGUSTINE AK JELAING	2009	2.700	6.75
8	BAJUT AK JELI	8/4/1999	28.580	71.45
9	BAKI AKCHEMAGAT	2000	4.050	10.125
10	BELIANG AK BETI	2008	3.000	7.5
11	BIJU AK BAYANG	2009	3.000	7.5
12	BUNYAU AK KASA	2007	3.370	8.425
13	CARRER AK AGON	2013	6.750	16.875
14	CHUE AK JANGGAT	2009	2.090	5.225
15	CHUNDI AK SADAN	2011	1.010	2.525
16	CHUNGAT AK UJU	2008	3.780	9.45
17	DOMINIC AK DIAN	2008	1.350	3.375
18	EDWARD AK USANG	2004/1999	6.070	15.175
19	EVELYN AK GALAU	2008	2.020	5.05
20	FREDRICK JUAN	2009	1.680	4.2
21	GENA AK UNDIING	2007	10.330	25.825
22	GENOI AK PANGKAS	2000	4.050	10.125
23	GUNDIE AK ANSI	2008/2009/2014	3.390	8.475
24	HENRY AK KELIKUT	2009	4.190	10.475
25	HILTON AK ENTILI	2008	2.360	5.9
26	IJAU AK CHEMAGAT	2000	4.050	10.125
27	INTAI AK UNGKIE	2009	2.400	6
28	JABU AK CHUNDIE	2009/2013	4.020	10.05
29	JANDIE MUNAN	2009	0.670	1.675
30	JANGAN ACHANG	2008	3.110	7.775
31	JANTA IJAU	2000	4.050	10.125
32	JANTING AK ENTINGGIE	2012	3.380	8.45
33	JEMBU AK ENSOK	2006	3.400	8.5
34	JENAH AK LAMPAK	2012	14.860	37.15
35	JIMBAI AK TAPANG	2010	1.350	3.375
36	JIMBAU AK GENU	2012	1.000	2.5
37	JIT AK DUGAT	2006	3.380	8.45
38	JOHN AK INGOM	1993/94/07	18.500	46.25
39	JONATHAN LIN AK SABANG	2003	5.140	12.85
40	JONATHAN NG	2011	2.700	6.75
41	JOSEPH AYUM	2009/2011/2013	5.680	14.2
42	KALONG JANGGIE	2013	3.380	8.45
43	LAMBA AK LAWEN	2012	2.000	5
44	LANGGAN AK SUKUN	2012	2.000	5
45	LAT AK MARA	2007	2.020	5.05
46	MAJANG AK SAMUEL	2007	2.700	6.75

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No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
47	MANGGAT AK JAMBOL	2010/2012	2.360	5.9
48	MEK CHEMAGAT	2000	4.050	10.125
49	MUDA A/L BATA	2009/2012	2.700	6.75
50	MULI AK ENGGAN	2009	2.020	5.05
51	MUNAN BANGIT	2009	2.430	6.075
52	RASIT AK DANG	2008	11.220	28.05
53	REMAI AK GLAGAI	1993	1.000	2.5
54	STEWARI@STEWARD AK SAMBAW	2007	5.230	13.075
55	TAMBI AK JERAH	2009	2.020	5.05
56	TANGAN AK SEMBUAK	2012	3.780	9.45
57	TATOL@KATOL AK UNTOL	2007	2.360	5.9
58	UMPIT AK GUAN	2005	5.000	12.5
59	WAT AK SEDIN	2008	3.040	7.6
60	WILFRED EMPATI AK LAMIT	2006	6.000	15
61	WONG LEE BU	2007	4.040	10.1
62	MARY ANAK BROOKE	2005	4.000	10
63	ASANG KUBU	2000	4.050	10.125
64	MARSHALL ROBERT	2003	5.400	13.5
65	PHILLIP ANAK GANI	2005	3.370	8.425
66	JULAI ANAK LUYOH	2014	2.000	5.000
67	MATHEW SUMOK ANAK JULAI	2014	1.000	2.500
68	SU'EP ANAK BUANG	2011/2012	4.000	10.000
69	MICHAEL @ DANIEL ANAK LIDI	2009	11.410	28.525
70	NYUEOK ANAK SANG	2009	4.560	11.400
71	NUDIN ANAK BAYONG	2011	5.430	13.575
72	BANGSA ANAK LIBAN	2008	3.380	8.450
73	JAMU ANAK MAIL	1999/2002	20.070	50.175
74	KUNJAN ANAK DALING	2008	5.530	13.825
75	DESMOND REYNOLD ANAK JEMENI	2015	6.760	16.900
76	CONNIE ANAK BENNET	2012	23.640	59.100
77	LIMAN ANAK ABET	2012	2.360	5.900
78	TIMBAN AK ALEH	2011	2.000	5.000
79	RANGGAU ANAK MANGGANG	2006	2.000	5.000
80	EMBUYAN ANAK ABUB	2011	2.000	5.000
81	SUMBANG ANAK INSAM	2009	2.020	5.050
82	MAWAT ANAK BUNDAK	2010	2.700	6.750
83	PHILLIP ANAK NYALANG	2003/2011/2013	7.400	18.500
84	BASIK ANAK UGAS	2013	2.000	5.000
85	GEWIE ANAK BADANG	2013	2.020	5.050
86	RAYANG ANAK SEN	2012	2.000	5.000
87	TANGAI ANAK BETI	2011	11.410	28.525
88	BAYANG ANAK BAIR	2011	2.680	6.700
89	MATHEW ENGGAH LAYANG ANAK NGAOH	2011	7.430	18.575
90	SINTA ANAK SAWOH	2005/2012/2018	7.030	17.575
91	SIGAN ANAK NYANDANG	2006	9.450	23.625
92	RUBAT @ ROBERT ANAK KUBU	2015	7.700	19.250
93	KEPU ANAK SIDI	2014	8.890	22.225
94	SABANG ANAK SULAU	2000/2009/2010	29.040	72.600

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No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
95	KERUNGAN @ ENKASAN ANAK UNYA	2008/2009	4.390	10.975
96	BULI ANAK MESA	2012	4.160	10.400
97	AJI ANAK CHEK	2011	4.050	10.125
98	LOUIS ANAK DUMBUM	2008	14.070	35.175
99	KIAI ANAK ISOT	2012	2.000	5.000
100	PATI ANAK GIMANG	2009	3.170	7.925
101	AJAH ANAK INGOM	2005	1.450	3.625
102	ALBAN DATTU ANAK BANG	2008	3.710	9.275
103	MARTIN ANAK CHADAU	2004/2010	6.690	16.725
104	RUNGGAI ANAK ANDIN	2012	7.370	18.425
105	KANGAK ANAK TALAK	2005	2.500	6.250
106	ALICE ANAK JEMAT	2011/2016	4.840	12.100
107	BUNYAM ANAK EMPENIT	2011	7.050	17.625
108	WONG AH CHIN	2011/2016	5.680	14.200
109	MELANYI ANAK MALENG	2008/2016	5.420	13.550
110	TAPA ANAK JANGOI	2005/2016	7.370	18.425
111	CHANGGIE ANAK BRIAK	2009	1.010	2.525
112	JAMBAI @ TINGGIE ANAK LANGGU	2008/2011	9.090	22.725
113	KANDUN ANAK ANGGA	2014	2.000	5.000
114	SUNGOH ANAK DATU	2008	1.350	3.375
115	ENDOI ANAK KLANANG	2007	3.610	9.025
116	STEPHEN ANAK RAKIN	2013	2.360	5.900
117	KADIR ANAK INDAM	2006	4.050	10.125
118	BERUNDANG ANAK LUDAN	2011/2014/2017	3.050	7.625
119	KILAT ANAK ASAN	2011	2.280	5.700
120	PAUL JACKSON TUTONG ANAK WALKER ENJOP	2010	1.820	4.550
121	BAYANG ANAK SUNGKEY	2010	6.000	15.000
122	PANAU ANAK LIBAU	2005	4.330	10.825
123	ATIN ANAK MUNSA	2007/2011	2.700	6.750
124	LANGGI ANAK INDAM	2005	1.000	2.500
125	JINGGING ANAK MAHAMAD	2012	1.490	3.725
126	SANI ANAK GALAH	2014	2.000	5.000
127	AMAN ANAK BUNDAK	2007/2011	4.380	10.950
128	BELUN ANAK WAM	2014	2.500	6.250
129	NUGA ANAK TALIT	2014	2.680	6.700
130	DESMOND SUNGAN ANAK CHUNDI	2012/2014	10.080	25.200
131	INGGING ANAK RAWING	2013	2.000	5.000
132	LAWRENCE ANAK DANIEL	2009	5.400	13.500
133	NORI ANAK KERENTOM	2014	4.080	10.200
134	LAGA KUEH	2012	2.700	6.750
135	SINJA ANAK EMPAT	2013	2.000	5.000
136	GELAU ANAK RAGAI	2014	2.700	6.750
137	CHAGAT @ CHAGUT ANAK UNDAU	2006/2014	7.200	18.000
138	TINDEN AK BAUL @ TINDIN AK BAUL	2008	4.000	10.000
139	TINGGIE ANAK ENGGAT	2008	4.220	10.550
140	TALA ANAK JANA	2015	1.350	3.375
141	KUNJAN ANAK INGGOL	2013	2.000	5.000

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142	MANG ANAK INGGOL	2013	2.700	6.750
143	BELAYONG ANAK LATET	2008	5.000	12.500
144	LAPOK ANAK MALINA	2006	4.000	10.000
145	KUNJAN ANAK BANDANG	2008/2013	6.250	15.625
146	SENI ANAK MULA	2013	2.000	5.000
147	SANGAN ANAK ROBIN	2013	2.000	5.000
148	AJIK ANAK MINGGAT	2013	2.000	5.000
149	SUZIE ANAK PATAN	2014	1.850	4.625
150	BUNDAK ANAK UMAR	2005	11.200	28.000
151	EMBOH ANAK ALANG	2012	3.540	8.850
152	BASAT ANAK ABEH	2003/2007/2012	8.090	20.225
153	JIMMY ANAK ENDIT	2009	4.300	10.750
154	BALIE ANAK JABAN	2013	2.000	5.000
155	MULAI ANAK BELAJA	2013	2.000	5.000
156	THOMAS ANAK GALAYAN	1998/2017	18.340	45.850
157	JANA ANAK UMPIT	2013	8.100	20.250
158	TUGAU JALIN	2005/2013/2017	6.030	15.075
159	DANGGAT ANAK GUNDI	2014	2.000	5.000
160	NARA ANAK RINGKAI	2008/2016	5.350	13.375
161	HAROLD UNSIE ANAK LIBAN	2012	6.760	16.900
162	JOSEPH GELAU ANAK SANDAI	2011	2.230	5.575
163	RAYMOND RIMONG ANAK LUTA	2016	3.380	8.450
164	USAH ANAK DAJAI	2011	2.700	6.750
165	ENGKASAN ANAK INKA	2015	0.690	1.725
166	JULIA ANAK DIN	2009	10.000	25.000
167	RENGGAN ANAK BUNYAT	2011/2012	14.300	35.750
168	MICHI ANAK BUDANG	2010	7.090	17.725
169	PAGA ANAK CHUNDI	2008	6.850	17.125
170	JOHNATHAN GARIT ANAK MAMBANG	2003	3.370	8.425
171	RINGKAI ANAK JANTAI	2016	1.350	3.375
172	CHANGKOK ANAK TUAT	2008/2013/2018	4.740	11.850
173	CECILIA ANAK RANTI	2011	0.740	1.850
174	LINA JOLL	2014	2.360	5.900
175	LANYAU LEGA	2012	3.370	8.425
176	BEDILANG ANAK LUTA	2012	0.680	1.700
177	KAU ANAK JABONG	2014	1.350	3.375
178	NANANG ANAK LIKONG	2017	2.030	5.075
179	PANTAN ANAK TOM	2012	5.370	13.425
180	ENPUNGAN ANAK LUNCHAT	2014	2.360	5.900
181	UNCHIE ANAK INSAM	2012/2018	7.420	18.550
182	NYALU ANAK JUNGAN	2010	1.350	3.375
183	VRENIKA INA ANAK SUDIN	2016	1.210	3.025
184	BARANCHI ANAK SENOW	2014	2.000	5.000
185	BRAIN ANAK ALEH	2014	1.400	3.500
186	BAKAR ANAK JAI	2014	2.000	5.000
187	WINEST ANAK TOM	2009	4.970	12.425
188	CHENDANG ANAK PANA	2018	2.000	5.000
189	JANTANG ANAK AKA	2013	15.510	38.775

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No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
190	DOUGLAS ANAK ENCHARANG	2011/2012	3.440	8.600
191	DENNIS ANAK GALAYAN	2007/2013/2014	6.720	16.800
192	IGAT @ JIMBUN ANAK ENTERING	2007/2013	19.190	47.975
193	STEPHEN GURA ANAK MULA	2003	4.240	10.600
194	FRAD SEMAN ANAK SIGIE	2011/2012	2.570	6.425
195	RANTAI ANAK UTONG	2008/2011	4.320	10.800
196	MALING ANAK LUANG	2011/2014	3.210	8.025
197	ABAU ANAK MASING	2012	3.310	8.275
198	BANDI ANAK IMBAN	2010/2012	14.660	36.650
199	ENLEN NYATI ANAK NGALANG	2012	3.610	9.025
200	RISSY ANAK JINGAN	2012/2014	11.300	28.250
201	LEE ANAK AJI	2014	5.060	12.650
202	UDENG ANAK ENGGANG	2015	3.040	7.600
203	BUNGKA ANAK CHUNDANG	2015	2.000	5.000
204	INDUN ANAK LANGGI	2015	2.000	5.000
205	JANA ANAK EMPENIT	2016	4.000	10.000
206	MENGAN ANAK SUDUM	2014	2.170	5.425
207	LUTA ANAK MANGGANG	2012	6.030	15.075
208	LIBU ANAK TINGGIE	2012	4.000	10.000
209	JACKSON MELLIEYU ANAK JAMPI	2011	2.190	5.475
210	TAWI ANAK INSAM	2015	2.020	5.050
211	USIT ANAK EBI	2013	7.040	17.600
212	RIAH ANAK TINGGANG	2009	3.380	8.450
213	KUNU ANAK EBI	2011	2.000	5.000
214	GUNDI ANAK EBI	2013	2.600	6.500
215	ASIM ANAK AJAH	2013	7.300	18.250
216	SINGGAI ANAK GIANG	2011	4.670	11.675
217	MAING ANAK NGAOH	1998	9.690	24.225
218	ENGKASAN ANAK DASI	2012	4.030	10.075
219	ANGEL ANAK MUJAH	2005	7.370	18.425
220	LILA ANAK UMAR	2005	4.530	11.325
221	BAJING ANAK INDIT	2000	1.360	3.400
222	MACHUP ANAK SUNGKEY	2011	3.370	8.425
223	TARIT ANAK BRUIE	2014	2.670	6.675
224	TEDONG@TUTONG ANAK INGOM	2012	3.160	7.900
225	GINI ANAK BAT	2014	2.030	5.075
226	NAMBI ANAK SABOK	2012	2.030	5.075
227	BALIE ANAK SABOK	2013	1.350	3.375
228	KUMBONG ANAK SABOK	2013	1.010	2.525
229	LAGAT ANAK DAUD	2014	1.350	3.375
230	CHANGGAI GRAMONG	2014	3.600	9.000
231	JERING ANAK NGABONG	2012	2.140	5.350
232	ALTAR ROLAND ANAK JAMES NYANDANG	2012	7.140	17.850
233	JOSEPHINE RINYA ANAK JAMES NYANDANG	2017	6.000	15.000
234	EVLYNE ANAK JUGI	2017	6.000	15.000
235	JAMES NYANDANG ANAK ELI	2017	6.000	15.000
236	UBA BUNYAT	2011/2015	6.000	15.000

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No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
237	ULIS ANAK UNDAU	2008	10.340	25.850
238	SANAK ANAK GRATONG	2005	10.130	25.325
239	BILI ANAK GEMA	2016	2.000	5.000
240	KIBAT ANAK MABONG	2012	1.010	2.525
241	BERAUH ANAK MGPILI	2014	1.350	3.375
242	JIMBUN ANAK ANCHARANG	2013	1.010	2.525
243	TONNY ANAK ANCHARANG	2012	2.360	5.900
244	DAVID ANAK ANCHARANG	2012	9.450	23.625
245	GALINGI@LULONG ANAK DUPO	2009	1.620	4.050
246	SUMBANG ANAK ENYAM	2012	3.380	8.450
247	ARIS@MAJIT ANAK LAKOP	2010	5.410	13.525
248	LANGGONG ANAK ISUT	2013	2.500	6.250
249	REMIAS ANAK AGOL	2012	2.000	5.000
250	MERAMAT ANAK ISUT	2012	2.000	5.000
251	ATONG ANAK SAMBANG	2012	2.000	5.000
252	MENDUT ANAK TABON	2013	2.000	5.000
253	SIMA ANAK TABON	2012	2.000	5.000
254	DINA ANAK EDWARD	2012	2.000	5.000
255	MONA ANAK EDWARD	2013	2.500	6.250
256	EDWARD ANAK KELIMBANG	2012	2.000	5.000
257	MENSAN ANAK BALI	2012	2.500	6.250
258	TUNI ANAK BUGAT	2012	2.000	5.000
259	CHAMBAI ANAK AJI	2011	3.040	7.600
260	DENNIS ANAK ANGGAT	2012	10.800	27.000
261	JANTA ANAK BRAYUN	2013	2.340	5.850
262	BEGAY ANAK DATU	2012	2.000	5.000
263	UJAN ANAK MULI	2012	2.000	5.000
264	RADIN ANAK CHUNDANG	2012	2.000	5.000
265	TERISA ANAK MEREKA	2012	2.500	6.250
266	ANUS ANAK NYARU	2011	3.040	7.600
267	RUNYAN ANAK NYARU	2011	1.690	4.225
268	AWANG ANAK BUNGKONG	2011	8.820	22.050
269	SELIO ANAK LANGGI	2015	5.230	13.075
270	AMBAU ANAK BALI	2012	2.000	5.000
271	GANYA ANAK CHANDI	2012	2.000	5.000
272	MAKUP ANAK TABON	2013	2.500	6.250
273	JIMBAI ANAK TABON	2013	4.000	10.000
274	JOHN ANAK DUAT	2018	1.350	3.375
275	NGELINGKONG ANAK LAJA	2011	4.050	10.125
276	JILAN ANAK JUMBUT	2018	2.000	5.000
277	UPIE ANAK JABU	2018	2.000	5.000
278	ENCHARANG ANAK LIDOM	2014	2.000	5.000
279	BAKI ANAK LAJA	2009	4.720	11.800
280	EGAT ANAK CHE'	2014	2.000	5.000
281	HARWORTH MANJA ANAK EMPEYU	2012/2014	8.230	20.575
282	CHANGGAS ANAK APAU	2013	2.470	6.175
283	MUGU ANAK GAJAI	2013	2.000	5.000
284	ASAN ANAK JOHN	2011	4.050	10.125

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285	SEMENAI ANAK BLABUR	2010	8.080	20.200
286	WILLIE ANAK RAYANG	2008	4.010	10.025
287	NGALONG ANAK MULU	2009	4.390	10.975
288	SATIK ANAK BANDANG	2014	4.700	11.750
289	MANDI ANAK PANGKAL	2011	1.010	2.525
290	TRA ANAK BANYOI	2011	2.000	5.000
291	MAREDAN ANAK BUNDIN	2008	2.170	5.425
292	MESA ANAK ENTRING	2012	2.700	6.750
293	PATI ANAK BASAT	2007	7.860	19.650
294	RUKU ANAK JANGONG	2007	3.000	7.500
295	INYAU ANAK SALEH	2008/2012	19.830	49.575
296	DOMINIC GANIE ANAK RANTAI	2011	3.600	9.000
297	ISAU ANAK RADIN	2008	0.670	1.675
298	LAMAI ANAK SGAH	2012	3.380	8.450
299	KANYAN ANAK ISAU	2012	2.700	6.750
300	ALBERT CHENDANG ANAK MANDAT	2013	0.670	1.675
301	SUPOL ANAK GERINGU	2008	9.260	23.150
302	DANA ANAK RINGKAI	2005	1.350	3.375
303	JIRAM ANAK JALANG	2013	0.680	1.700
304	NYEKOK ANAK MUYAN	2009/2014	4.940	12.350
305	GURANG ANAK UBOH	2014/2017	2.000	5.000
306	ENDI ANAK DEMONG	2013	4.190	10.475
307	AMONG ANAK RAWING	2012	2.000	5.000
308	MANGGAT ANAK BANGGA	2012	2.250	5.625
309	LIKA ANAK BLABOT	2012	2.000	5.000
310	THIAN JUN KIM	2008	11.480	28.700
311	JELUMI ANAK AJIE	2014	2.000	5.000
312	BANDIE ANAK ACHANG	2012	1.350	3.375
313	SIMON ANAK ALI	2015	2.350	5.875
314	LIMBAI ANAK BUNDAK	2010	3.350	8.375
315	ENJAP ANAK BINSANG	2012	2.020	5.050
316	MALAYSIA ANAK ENTEBANG	2012	0.340	0.850
317	REKAN ANAK ISOT	2005	6.200	15.500
318	AGATTA RAMES ANAK MICHAEL GOMES	2008	1.350	3.375
319	LIVISTONA RANGGAU ANAK BRUES	2008	0.340	0.850
320	JONATHAN ANAK SAWING	2013	1.350	3.375
321	BRET ANAK ARAU	2014	4.200	10.500
322	UNCHI ANAK LIBAU	2015	2.700	6.750
323	BUNYIH ANAK JARAGAN	2009	1.690	4.225
324	JULIE ANAK MANGKAT	2013	2.000	5.000
325	KENDAWANG ANAK MANGKAT	2013	2.000	5.000
326	ENDAWIE ANAK BUDIN	2012	1.010	2.525
327	MUNGGAT @ YON ANAK BUMO	2005	4.170	10.425
328	GIANG ANAK MEREDAN	2014	1.450	3.625
329	MARGARET ANAK TAMIN	2014	4.000	10.000
330	MELING ANAK GIMANG	2012	2.000	5.000
331	KAYAS ANAK AWANG	2012	2.000	5.000
332	DANA ANAK ENTERING	2003/2012	9.450	23.625

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No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
333	MARTIN ANAK EDWARD	2014	2.700	6.750
334	EDWARD @ BUYENG ANAK PASIS	2010/2013/2014	7.350	18.375
335	RAKIE ANAK BENIDICT	2008/2010	7.420	18.550
336	BANDAI ANAK REPON	2013	2.000	5.000
337	INTAN ANAK DEPA	2013	2.000	5.000
338	NYAMBANG ANAK GIMANG	2013	1.000	2.500
339	NALU ANAK KULUN	2013	2.000	5.000
340	MALANG ANAK SADAN	2013	2.000	5.000
341	RENGAN ANAK ENKELOI	2012	0.680	1.700
342	JANGAN ANAK UPAL	2015	4.050	10.125
343	JOHN EDWARD @ MENGGGA ANAK GIANG	2013	1.010	2.525
344	NYELANG ANAK BILON	2012	2.000	5.000
345	BELANG ANAK GUNUI	2013	2.950	7.375
346	BAYANG ANAK AMBAU	2013	4.000	10.000
347	DUNGGAT ANAK HUSEN	2013	2.000	5.000
348	PHILLIP ANAK JERAMPANG	2013	2.000	5.000
349	GERAMONG ANAK LANGI	2013	2.000	5.000
350	JUNAU ANAK BUGAT	2013	2.000	5.000
351	SANDU ANAK BETI	2013	2.000	5.000
352	MALIA ANAK LIDI	2007	10.000	25.000
353	JOYSIE BERJUN ANAK JOHN	2017	5.000	12.500
354	GRAMAN ANAK AJAI	2012	1.300	3.250
355	DONNY ANAK RANSI	2012	1.500	3.750
356	MENGGGA ANAK AJAI	2012	1.300	3.250
357	WILSON SANABONG	2016	1.220	3.050
358	NILI ANAK LANGKUP	2014	2.000	5.000
359	TINGGAI ANAK ANGKI	2004/2013	3.350	8.375
360	JATA ANAK BUDANG	2013	2.000	5.000
361	AUGUSTINE TENGGGA ANAK GANENG	2008/2013	7.050	17.625
362	ENGGU ANAK SIGAT	2011/2013	7.230	18.075
363	JIMBAU ANAK GASAH	2013	2.000	5.000
364	MARY ANAK SAGI	2013	3.010	7.525
365	LAMON ANAK NAYUD	2013	2.000	5.000
366	MULOK ANAK SELIMAN	2004/2013	6.170	15.425
367	WELSON GARA ANAK BILON	2012	1.350	3.375
368	ACHAN ANAK SANGGIN	2004	6.890	17.225
369	BUNIE ANAK ENCHANA	2013	6.020	15.050
370	TUAN ANAK LANG	2013	2.000	5.000
371	RACHA ANAK GANA	2013	2.000	5.000
372	MINGGAT ANAK AWAN	2013	1.350	3.375
373	NELSON SIGAT ANAK MAUR	2011	1.350	3.375
374	HARRY UNTING ANAK SUBAT	2012	2.020	5.050
375	SYLVESTER GARGERY ANAK MANGGI	2014	13.920	34.800
376	DANGGAT ANAK UNLAN	2013	2.000	5.000
377	GUPI ANAK ATAT	2017	2.000	5.000
378	BUGAT ANAK DAGONG	2012/2015	3.680	9.200
379	LESTER MUNJIE ANAK JUGAH	2012/2016	4.680	11.700
380	ANIE ANAK CHANDI	2012	2.030	5.075

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No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
381	CHINDA ANAK INGKIN	2014	2.000	5.000
382	BERANDAH ANAK TAWAN	2014	2.000	5.000
383	BRAYAN ANAK LUTA	2013	1.010	2.525
384	ACHONG ANAK MAING	2015	2.000	5.000
385	DENNIS ANAK GANING	2004	7.600	19.000
386	RANGKING ANAK TINGGIE	2013	4.000	10.000
387	NANANG ANAK TAYAI	2013	2.000	5.000
388	THOMAS ANAK BELATOK	2015	2.000	5.000
389	GENDUP ANAK JERAH	2012	1.350	3.375
390	STANLY NGUMBANG ANAK NELSON JIRAM	2012	1.350	3.375
391	LAJA ANAK NGABONG	2013	4.000	10.000
392	BAJAT ANAK LIGONG	2013	2.000	5.000
393	GARAN ANAK APAU	2009/2015	1.690	4.225
394	SERIT ANAK EMPENI	2017	3.000	7.500
395	HUZAIMAH BINTI ABDULLAH @ LINDA ANAK RANTAI	2015	2.700	6.750
396	STEVE BERUNDANG ANAK JEMAT	2007/2008/2009	6.000	15.000
397	BIBBY ANAK INGAS	2017	2.000	5.000
398	MAJID ANAK SALOK	2013	18.580	46.450
399	SELIE ANAK CHUNDANG	2009	1.350	3.375
400	SUDA TAYAI	2015	2.000	5.000
401	CHABU ANAK INTAN	2014	3.350	8.375
402	NYAMBANG ANAK RASAT	2016	2.000	5.000
403	EDWARD ANAK KUNJAN	2005	2.790	6.975
404	HENRY SANG ANAK UNJA	2017	6.000	15.000
405	MANCHA ANAK UNJA	2017	4.000	10.000
406	VALENTINE DAMPA ANAK TANDANG	2012	1.010	2.525
407	LUNGGUR ANAK NADING	2011/2017	3.040	7.600
408	BAU TIONG HING	2014	0.670	1.675
409	FAIZAL ANAK SERUDIN	2014	3.370	8.425
410	DAMPA ANAK BALAI	2008	3.000	7.500
411	NYALONG ANAK NAGA	2010/2013	12.400	31.000
412	ADAM SAOH	2009	2.020	5.050
413	GUDAM ANAK EMPENI	2017	2.020	5.050
414	JUPITER ANAK JANA	2011/2016	5.380	13.450
415	JUAN ANAK BANSAN	2012	5.400	13.500
416	RICHARD ANAK JOS	2016	2.000	5.000
417	RAGAI ANAK CHUNDAU	2010	2.790	6.975
418	ANTAU ANAK TO	2011	4.170	10.425
419	MENON ANAK SAWING	2015	2.000	5.000
420	JUNGAN ANAK INGGOL	2017	2.000	5.000
421	JILUM ANAK APAR	2015	3.370	8.425
422	ROBIN ANAK BIJU	2010	6.210	15.525
423	DINGGAT ANAK JALI	2015	2.000	5.000
424	MANDAU ANAK DINGGAT	2015	2.000	5.000
425	ALICE ANAK ANGGA	2010/2015	3.480	8.700
426	MOHAMAD HAMKA BIN ALI UMAR	2010	4.020	10.050
427	JIMBAI ANAK DUAT	2013	2.000	5.000

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428	JANIN ANAK DUNGGAT	2008	2.000	5.000
429	NELAU ANAK LATET	2008	2.050	5.125
430	ELIZA ANAK DAUD	2015	2.000	5.000
431	ROSE ANAK JUGAH	2015	2.000	5.000
432	CHARLES ANAK DAUD	2015	2.000	5.000
433	DAUD ANAK ENSOK	2005/2006/2014/2016	15.430	38.575
434	LING ANAK BUNGIN	2013/2016	4.000	10.000
435	JAWAT ANAK LAMAN	2006	2.700	6.750
436	TARA ANAK LAMAM (A) LAMAN	2013	1.350	3.375
437	CHANDI ANAK GANTI @ MAGDELINE CHANDI	2006/2019	6.080	15.200
438	FADZLI BIN PUSEK	2016	2.300	5.750
439	JERRY ANAK NANGKAN	2012	2.030	5.075
440	JOE ANAK LAJA	2010	1.440	3.600
441	LAJANG ANAK JAMPI	1998	2.840	7.100
442	SATI ANAK JAMBAN	2004	7.970	19.925
443	CHAGAT ANAK MANGGAU	2013/2017	1.010	2.525
444	SETIA ANAK JAMPI	1998	0.840	2.100
445	EDDY ANAK NYARENG	2012	2.970	7.425
446	UNSI ANAK RANGGAU	2014	2.000	5.000
447	CHRISTEPA JEMPI @ JEMPI ANAK MUNJI	2014	8.530	21.325
448	WALTER KIDANG ANAK JANTAI	2011/2012/2015	10.820	27.050
449	JONATHAN @ JOHNATHAN RINGGIT ANAK RAMPING	2014	4.000	10.000
450	REMBUYAN @ TAWAN ANAK RANDI	2012	2.000	5.000
451	CHUPONG ANAK TOM	2012	4.680	11.700
452	BUGAT ANAK TABOH	2010	8.150	20.375
453	TEMELING ANAK UTAN	2009	2.160	5.400
454	JONATHAN MASI ANAK INSAM	2010	1.350	3.375
455	UTAN ANAK UGAT	2000/2007	6.370	15.925
456	JOHN DICKMAN NYELANG	2009	1.350	3.375
457	JEFFERY SAING ANAK MELING	2009	1.680	4.200
458	KELVIN BUDA ANAK KASA	2015	3.370	8.425
459	LANJING ANAK TUKAY	2000	2.560	6.400
460	DUNI ANAK NANGGAL	2014	1.350	3.375
461	MANGKA ANAK RADIN	2011	2.000	5.000
462	JIMMY ANAK UNCHI	2014	1.000	2.500
463	CHUA SOON AIK	2013	3.010	7.525
464	AGAM ANAK BANYOI	2006/2014	7.400	18.500
465	GAPOR ANAK RAMBAI	2016	1.350	3.375
466	CATHERINE RINI ANAK RINTEK	2010	3.380	8.450
467	DARA ANAK INGOM	2014	0.680	1.700
468	CHINDO ANAK INGOM	2012	1.690	4.225
469	BEGAT ANAK LIMBING	2014	6.080	15.200
470	DURI ANAK LIMA	2010	2.700	6.750
471	LAYAN ANAK SLAN	2013	2.000	5.000
472	NGIAN ANAK UNTANG	2017	2.000	5.000
473	CHARLIE LENGANG ANAK UMAR	2017	1.000	2.500

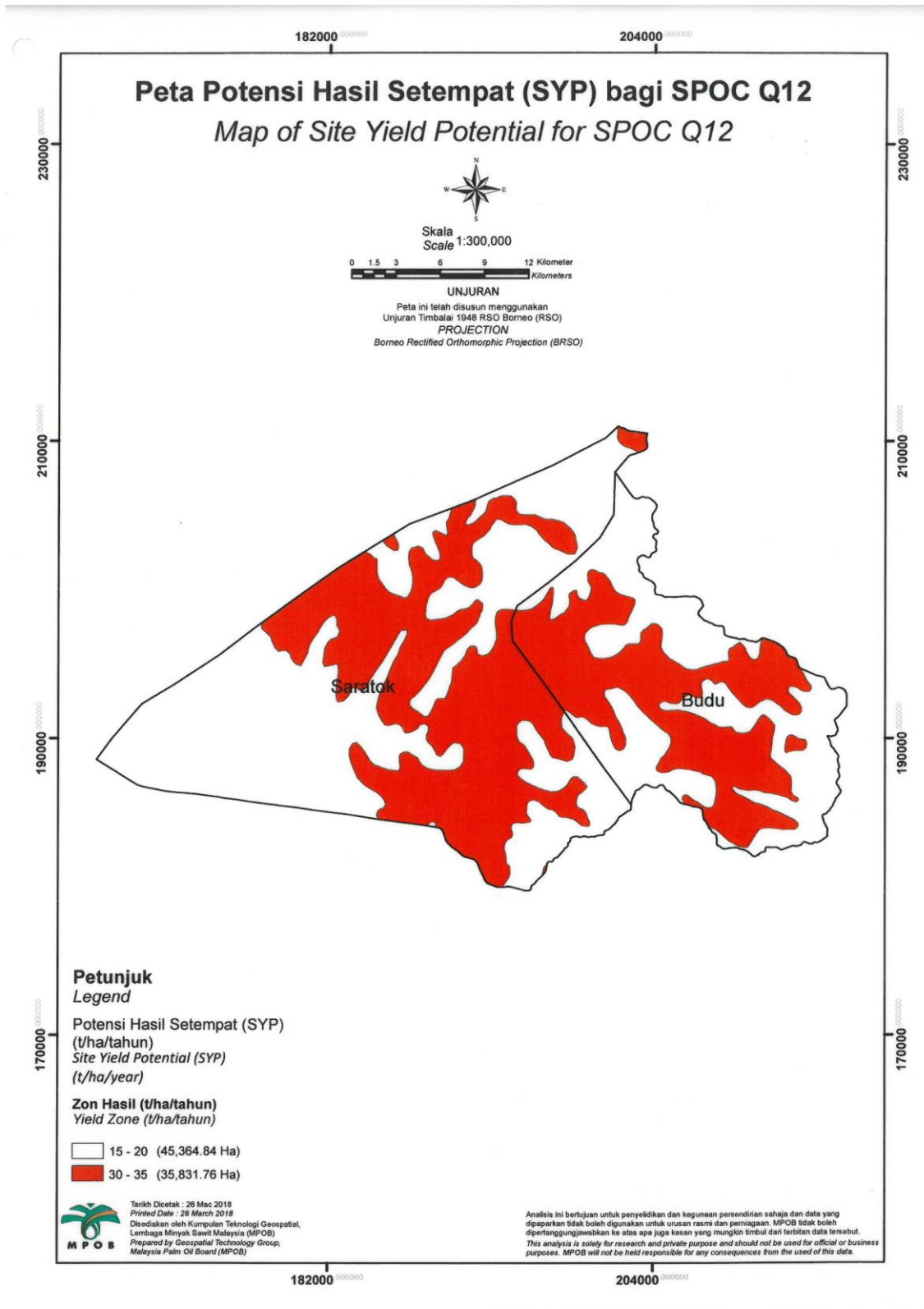
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474	JAMBAI ANAK RANDI	2012	2.760	6.900
475	ACAR ANAK BULO	2010	7.230	18.075
476	BANDANG ANAK PRESA	2014	0.420	1.050
477	NYELIPI ANAK MANAI	2015	14.720	36.800
478	JATI ANAK TINDIN	2016	3.680	9.200
479	BUSUT ANAK UGU	2015	2.000	5.000
480	MOHD SHAHRUL NIZAM ABDULLAH	2011/2014	4.390	10.975
481	MUNI ANAK AGAT	2016	1.350	3.375
482	ANGAS ANAK ULOK	2015	2.000	5.000
483	JENNIFER NATI ANAK LINGGOH	2014	2.000	5.000
484	MARY ANAK JABING	2013	2.000	5.000
485	MANJAN ANAK JINANG	1992	5.870	14.675
486	STANLEY IGAT ANAK UNCHI	2014	1.000	2.500
487	RANTAI ANAK ENTOSEN	2009	2.790	6.975
488	RANTIE @ AGAM ANAK BINA	2012	7.760	19.400
489	JIMY @ JOSEPH ANAK SANAI	2017	5.000	12.500
490	JAMBU ANAK TAWIE	2015	0.660	1.650
491	BETIE ANAK SAGOI	2012	5.410	13.525
492	BRANDAH ANAK JAWA	1998/2013/2016	5.000	12.500
493	GERRY MAH	2017	2.000	5.000
494	UMBIE ANAK KASI	2018	2.000	5.000
495	MERALI BIN TERANG	2005	2.980	7.450
496	JOHN ANAK TAMBI	2018	2.000	5.000
497	BARI ANAK DAGAT	2013	2.000	5.000
498	NANDI ANAK ARONG	2015	0.950	2.375
499	LANGIE ANAK JABU	2012	3.770	9.425
500	SUJANG ANAK GAYAH	2009	2.700	6.750
501	GEMIE ANAK ADAM	2011	7.080	17.700
502	CHAKING ANAK EMPAT	2014/2016	11.610	29.025
503	MARY ANAK GIDUI	2012	2.000	5.000
504	DUMBOM ANAK BANGGA	2015	1.350	3.375
505	GLYN ANAK SAKA	2015	6.000	15.000
506	LIGONG ANAK MANJAN	2015	0.680	1.700
507	KAM ANAK GEDANG	2013	6.760	16.900
508	ALVIS ANAK BUYONG	2011	1.000	2.500
509	MUDIN ANAK BUNSU	2007	2.830	7.075
510	EMBUYAN ANAK INYANG	2013	5.490	13.725
511	LAPING ANAK DAING	2010	1.440	3.600
512	PAUL AJAK ANAK MICHAEL ABUNAWAS	2011	3.380	8.450
513	ESAU ANAK KUDAN	2010	2.000	5.000
514	BELANUN ANAK RANDONG	2012/2014	7.680	19.200
515	LIKA ANAK NELSON KERAI	2011	2.020	5.050
516	GELIMA ANAK LINGAN	2014	2.000	5.000
517	RINGGIT ANAK DINGGAT @ DINGAT	2015	2.360	5.900
518	PATRICK BAKIT ANAK JOHN	2013	6.200	15.500
519	SILIN ANAK UNCHAT	2016	4.000	10.000
520	TERA ANAK EMPURONG	2015	1.350	3.375
521	NGALANG ANAK IGAI	2005	13.500	33.750

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No	Name of smallholder	Year Planted	Land Area (ha)	Forecast FFB (Mt/ha/year)
522	MAI ANAK JAMPANG	2010	5.780	14.450
523	BELON ANAK JILAP	2015	2.000	5.000
524	STEPHEN ANAK ULIE	2015	2.000	5.000
525	INGGU ANAK RAMPING	2013	6.000	15.000
526	BANNDY ANAK LIGAP	2014	2.000	5.000
527	RICHARD ANAK UNGGA	2012/2014	8.310	20.775
528	GON ANAK TARANG	2015/2016	5.040	12.600
529	CATHERINE ANAK MANGGIE	2012	2.000	5.000
530	KENY ANAK RANTAI	2013	4.000	10.000
531	LUCY ANAK UDIN	2011	3.380	8.450
532	MAGA ANAK KION	2008	4.330	10.825
533	LAMPAI ANAK TARANG	2016	6.050	15.125
534	ENGIE ANAK ADON @ INGKAY ANAK LADON	2015	2.030	5.075
535	DELINE ANAK JULONG	2006	8.200	20.500
536	NYAWAI ANAK GUANG	2008/2016	5.260	13.150
537	SENI ANAK BEGANGGANG	2015	2.000	5.000
538	NANCY ANAK SEBOM	2015	2.000	5.000
539	AJIE ANAK TUTONG	2015	2.000	5.000
540	NICHOLAS ANAK INTOL	2014	5.990	14.975
541	MINGGU ANAK AWI	2014	3.880	9.700
542	PATA ANAK SAT	2011	2.500	6.250
543	JATAN ANAK UNDI	2013	2.020	5.050
544	JOSHUA ANAK KERUNGAN @ ENKASAN	2014/2015/2016	10.130	25.325
545	LINGGIH ANAK NGERUBONG	2013	1.350	3.375
546	ALI ANAK PANG	2009	5.070	12.675
547	SELLA ANAK NYAMBANG	2013	2.000	5.000
548	JAMAL ANAK JAYA	2014	1.350	3.375
549	FIONA LAKA ANAK PAKUN	2014	2.000	5.000
550	REGINA INTAN ANAK PAKUN	2014	1.000	2.500
551	RUMI ANAK DAS	2014	2.020	5.050
552	KENDAWANG ANAK EMPALING	2009	11.100	27.750
553	LIM YAK	2010	5.060	12.650
554	RAMPING ANAK RAYANG	2005	2.700	6.750
555	ITUT ANAK MUYANG	2011	2.030	5.075
556	JANTAN ANAK KEDIT	2014	1.480	3.700
557	LAYANG ANAK UCHENG	2014	1.000	2.500
558	TEMENGGONG @ LEMBANG ANAK AJI	2014	5.270	13.175
559	RUMIE ANAK TAWAN	2017	6.760	16.900
560	JUING @ JUBANG ANAK LAJA	2014	4.220	10.550
561	DINGGAT ANAK TINGGANG	2008	3.370	8.425
562	ALIN ANAK JABU	2013	2.000	5.000
563	LANSOI ANAK EMPARI	2013	2.000	5.000
564	MILE @ MAIL ANAK DUMEL	2012	1.770	4.425

Appendix F: Location and Field Map (Saratok & Budu)



Appendix G: List of Abbreviations

BOD	Biochemical Oxygen Demand
CB	Certification Bodies
CHRA	Chemical Health Risk Assessment
COD	Chemical Oxygen Demand
CPO	Crude Palm Oil
EFB	Empty Fruit Bunch
EHS	Environmental, Health and Safety
EIA	Environmental Impact Assessment
EMS	Environmental Management System
FFB	Fresh Fruit Bunch
FPIC	Free, Prior, Informed and Consent
GAP	Good Agricultural Practice
GHG	Greenhouse Gas
GMP	Good Manufacturing Practice
GPS	Global Positioning System
HCV	High Conservation Value
IPM	Integrated Pest Management
ISCC	International Sustainable Carbon Certification
LD50	Lethal Dose for 50 sample
MSPO	Malaysian Sustainable Palm Oil
MSDS	Material Safety Data Sheet
MT	Metric Tonnes
OER	Oil Extraction Rate
OSH	Occupational Safety and Health
PK	Palm Kernel
PKO	Palm Kernel Oil
POM	Palm Oil Mill
POME	Palm Oil Mill Effluent
PPE	Personal Protective Equipment
RTE	Rare, Threatened or Endangered species
SEIA	Social & Environmental Impact Assessment
SIA	Social Impact Assessment
SOP	Standard Operating Procedure