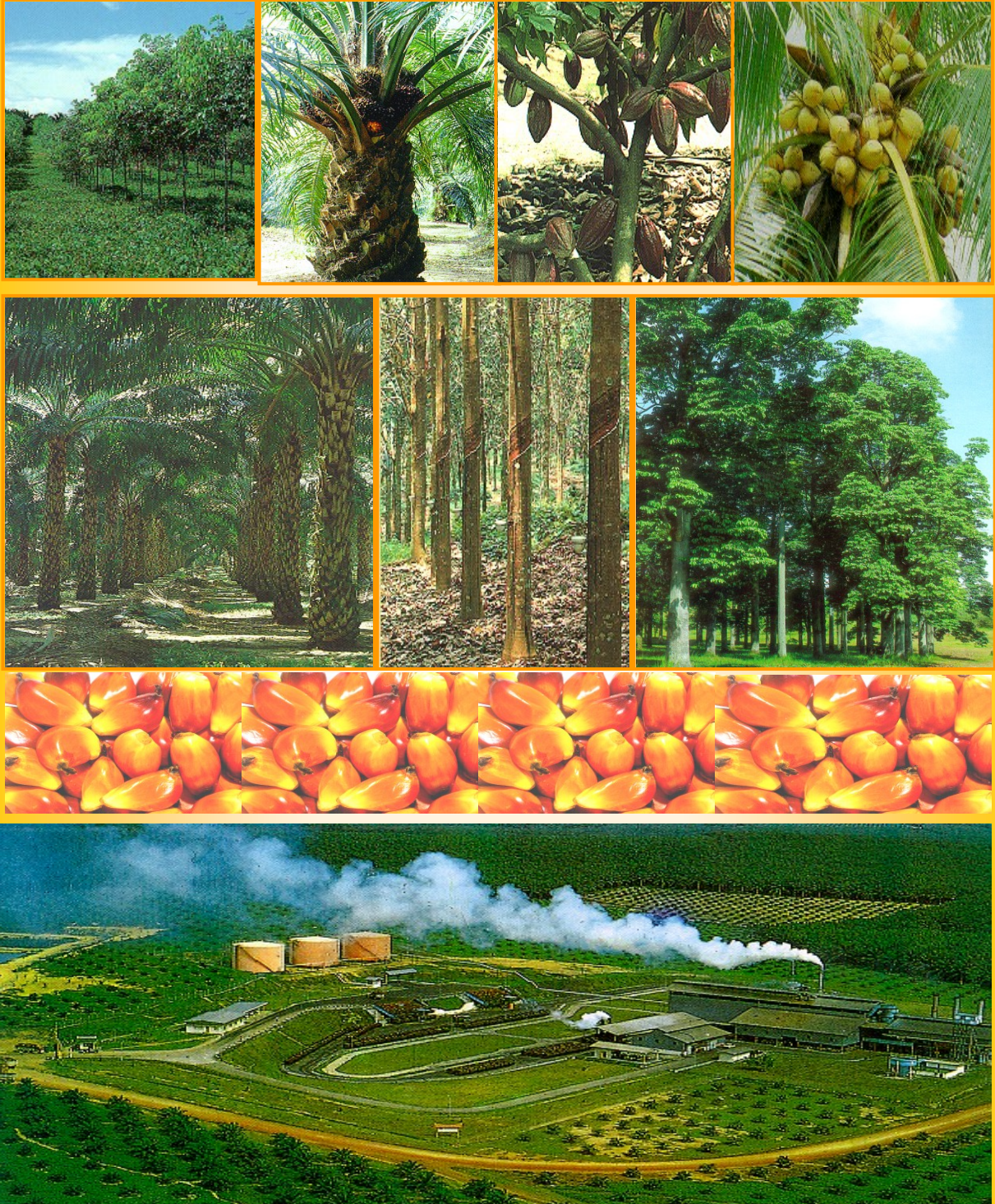




TROPICROP GROUP

TROPICROP INTERNATIONAL SDN BHD (719056-T)

TROPICROP AGRICULTURAL SERVICES SDN BHD (233674-K)



COMPANY PROFILE

1.0 INTRODUCTION

The Tropicrop Group was incorporated in Malaysia in 1992 with the primary aim of providing efficient and comprehensive services to the plantation and agro-based industries as well as processing installations for plantation products. We are committed to ensuring sustainable and economically viable project management with emphasis on Corporate Social Responsibility and Environmental Conservation.

1.1 THE OBJECTIVE

Tropicrop is your dedicated partner to the successful establishment of your projects and is committed to ensure the continuous profitability and sustainability of your venture. This vision is made possible with the mission of providing innovative and practical technical services and support from our pool of experienced personnel of varied professional talents.

Clients would be able to draw technical expertise from our pool of professionals to form smart partnerships for practical and best agro-management practices for successful establishment of projects. Our primary objective is to enhance project performance with our commitment to ensure the continuous profitability on a long-term basis. Our proactive methodology is directed to focus on sustainable development in harmony with pertinent issues to implement current and long term strategies to realize set objectives within the framework of good corporate governance, social responsibility and environmental sustainability.

1.2 SERVICE PROVIDERS

- i) Tropicrop Agricultural Services Sdn Bhd (formally known as Sumber Saga Sdn Bhd, incepted on February 3, 1992) was established to provide a wide spectrum of Technical and Agro-Management services ranging from commencement of projects to the enhancement of project viability.
- ii) Subsequently, Tropicrop International Sdn Bhd was formed as an agency house to synergize with the investor by providing efficient and comprehensive management services to the projects.

With this inception, Tropicrop Group is in a position to offer exemplary and comprehensive plantation agro-management as well as agro-forestry management services to agro-based industries in the Asia Pacific Region and Tropics. The group's technical capabilities in processing would also enhance value additions to plantation produce of the projects.

The scope of services includes a broad category of the following: -

- **Pre-Development Studies and Assessment**
- **Development and Establishment of Plantations**
- **Management and Advisory Services**
- **Agronomic Services**
- **Agro-forestry Management**
- **Sustainable Tropical Forest Management**
- **Reforestation of Logged Over Land**
- **Handling and Forwarding of Agricultural Produce**
- **Horticultural and Landscaping Advisory Services**
- **Plantation Management Information Systems**
- **Palm Oil Mill Consultancy**
- **Rubber Factory Establishment**
- **Rubber Process Management and Consultancy**

■ TROPICROP INTERNATIONAL SDN BHD.

■ TROPICROP AGRICULTURAL SERVICES SDN BHD

1.3 TROPICROP AGRICULTURAL SERVICES ON-GOING PROJECTS

Tropicrop Agricultural Services (TAS) currently provides agro-technical services to many plantation projects in Malaysia as well as the Asian region and Latin America. TAS is also the Agro-Management Consultant to several public listed as well as private owned companies in Indonesia, Thailand, Cambodia, Latin America and Malaysia.

1.4 TROPICROP INTERNATIONAL ON-GOING PROJECTS

Since the inception of Agricultural Services and International Management, Tropicrop Group has provided strong synergistic partnership in many projects in Malaysia as well as overseas. Currently, Tropicrop is the Managing Agent for over 80,000 hectares in South Sumatera and more than 20,000 hectares in North Sumatra and East Kalimantan.

On going projects encompass Feasibility Studies for Agro-Forestry and tree Crop Cultivation, Agronomic Consultancy Services, Plantation Advisory Services and Palm Oil Mill Consultancy, Rubber Factory Establishment and Management.

2.0 GROUP MANAGEMENT COMMITTEE

CHAIRMAN	 DR. KL WONG
EXECUTIVE DIRECTOR	 HARUN ABD. AZIZ
CORPORATE PLANNING	 WONG WUEY WUEN
PLANTING ADVISORS	 ANTHONY CHUA  CHIANG KING HONG
BUSINESS DEVELOPMENT	 WONG WUEY CHUEN
AGRONOMIST	 BOBBY YAP

3.0 CONSULTANTS RESUME

3.1 MANAGEMENT AND TECHNICAL TEAM

AREAS OF SPECIALIZATION

1. Dr. K.L. WONG

Dr. Wong Kim Lian has over 30 years of experience in various agricultural sectors, including but not limited to Oil Palm, Agro – Forestry, Rubber, and Cocoa.

Dr. Wong was a former technical advisor to the Guthrie Group in Malaysia. He provided technical services on plantations to various groups in the South East Asian region. He also worked as an extension officer with the Dept. of Agricultural, Malaysia and the Dept. of Environment.

2. HARUN ABD AZIZ

Harun Abd Aziz has over 20 years of experience in the agricultural sectors.

He is currently the consultant Agronomist for Tropicrop computing all the fertilizer needs of various tree crops.

His involvement in conducting Feasibility Studies in Central and South America and the ASEAN region has provided him vast experience in plantation tree crops development.

He was a former Bio-technologist and agronomist in the Guthrie Group in Malaysia, giving him experience to bio-technology and agronomic practices to both fruit trees and plantation tree crops.

- 3. WONG WUEY WUEN**

With 14 years of experience in Business Development, Marketing and Procurement in the consumer goods industry, Wuen brings a wealth of experience in Client Management, New Business Development and also Financial & Cash-flow analysis. His core skills are the preparation of Cash-flow Statements, P&L Projections, and Financial Management Analysis for our clientele. Having also received training in Felda Plantations and also attending numerous plantation management seminars, he has positioned himself well within the Tropicrop Group to undertake Feasibility and Assessment studies, coupled with Business Development plans. He currently undertakes to make management visits to our clients' oil palm estates primarily in Indonesia and Sabah. He's contribution enhances the many assignments of the Tropicrop Group.
- 4 ANTHONY CHUA**

Prior to joining Tropicrop, he was the Regional Director for FELDA Southern Region involving jungle clearing, establishment of oil palm/rubber/cocoa and emplacement of settlers in this scheme. He was also the General Manager of Sungai Budi Group in Lampung, Indonesia. He has an over 30 years of experience working in various agricultural companies and agencies.
- 5. CHIANG KING HONG**

Mr. Chiang has over 40 years in the Plantation Industry. From a Trainee Conductor in Sime Darby, he rose to become the Regional Controller of WTK Group in Sarawak. He was in IOI Sabah and also a Senior Manager with Berkat Setia in Telupit Sabah. His exposure to different management approaches and implementation has increased the in-house knowledge by injection of new ideas he brings with him. He has been assigned by Tropicrop to conduct several management and PA visits in Indonesia and Sabah.
- 6. WONG WUEY CHUEN**

Mr. Chuen started off as an Agronomist and later went into human resource and business development with several companies in different positions. Being exposed to various sectors of the business world, his experience gained would be a useful tool to enhancing would be investors in the plantation industry.
- 7. BOBBY YAP**

As an Agronomist, Bobby has travelled extensively to various estates in Malaysia and Indonesia to visit plantations to conduct Agronomic visits. He also is tasked with the computation of our client's annual Fertilizer & Assessment studies for the Group. His involvement in Plantation Management further enhances the overall improvements of the projects undertaken by the Tropicrop Group.

3.2 TECHNICAL CONSULTANTS

AREAS OF SPECIALIZATION

1. **DR. T.C. P'NG** He has vast experience in Agronomy, Rubber Exploitation, Rubber Plantation Evaluation, Research & development.
2. **DR. NICK CHOOI S.Y.** He has vast experience in Chemical & Technical Services in Palm Oil, Rubber & Cocoa.
3. **TIMOTHY LIM TEIK MOW** He has vast experience in Plantation Tree Crop Advisory & Management (Rubber, Cocoa & Oil Palm)
4. **TEOH EE SENG** He has vast experience in Rubber Processing and Management Advisory, Rubber Factory Designing, Development and Consultancy and Establishment of Quality Assurance System.

3.3 ENGINEERING CONSULTANTS

AREAS OF SPECIALIZATION

1. **AU SAY KIAT** He has vast experience in Project Feasibility Studies, Process Automation, Project Design, Construction & Commissioning of Palm Oil Mill.
2. **IR. N. RAVI MENON** He has vast experience in Palm Oil Mill Development & Commissioning, Mill Consultancy & Training of Personnel, Process Improvement Studies.
3. **IR. ACHUTAN KRISHNAN** He has vast experience in Project Feasibility Studies, Process Automation, Project Design, Construction & Commissioning of Processing & Power Plants and Palm Oil Mill Consultancy.






4.0 SCOPE OF SERVICES

An outline of the **Scope of Services** provided by Tropicrop is presented below:







4.1 PLANTATION SERVICES

Tropicrop has the experience and capability to provide the complete range of Plantation Services which include:







4.1.1 *PRE-DEVELOPMENT SERVICES*

-  Soil Sampling and Suitability Surveys of Project sites.
-  Plantation Development Planning.
-  Plantation Feasibility Study and Financial Analysis.
-  Preparation of Project Bankable Documents.
-  Environmental Impact Assessment and Studies of Project, including Report Submission and Presentation to the Department of Environment.

4.1.2 *DEVELOPMENT SERVICES*









-  Extraction of Timber from Project Site.
-  Jungle Clearing, Terracing and Levelling, and Planting.
-  Sourcing and Ensuring the Purchasing of Quality Planting Materials, Fertilizers, Herbicides and Insecticides.
-  Planning, Designing and Establishment of Pre- and Main Nursery.
-  Maintenance and Upkeep of Immature and Mature Oil Palm.
-  Formulation of Agriculture Policy catered to the needs of the Client.

4.1.3 *MANAGEMENT AND ADVISORY SERVICES*





-  Overall Plantation Management and Administration Services.
-  Plantation Advisory Services.
-  Agronomic Services - Fertilizer Recommendation and Plant Nutrition Management Programme.
-  Pest and Disease Control and Management.
-  Marketing Services for Plantation and Farm Products.
-  Benchmarking and Agricultural Audits.

4.2 PROCESSING FACILITIES: Establishment & Management



4.2.1 PALM OIL MILL CONSULTANCY

-  Project Feasibility Study
-  Project Design and Management
-  Mill Development and Commissioning
-  Personnel Training
-  Process Improvement Studies
-  Process Automation
-  Waste Product Utilization
-  Mill Management Consultancy







4.2.2 RUBBER FACTORY CONSULTANCY

-  Project Feasibility Study and Project Management
-  Latex Concentrate & Crumb Rubber Design
-  Factory Management Consultancy
-  Process Improvement Studies and Personnel Training

4.3 HANDLING AGENT FOR AGRICULTURAL PRODUCE

-  Documentation and Handling of Oil Palm Seed Consignments for Export
-  Handling and Forwarding of Agricultural Produce

4.4 OTHER SERVICES

-  Assessment Studies
-  Feasibility Studies
-  Suitability Studies
-  Agricultural and Field Audits
-  Process Control Audit for Mills
-  Staff Training

5.0 PROJECTS ACCOMPLISHED/ ONGOING

5.1 PLANTATION MANAGEMENT SERVICES

NO.	PLANTATION GROUP	HA / CROP / LOCATION
1.	SUNGAI BUDI GROUP	100,000 ha / oil palm, rubber and agro-forest / Lampung, Palembang, Jambi
2.	SUNGAI BUDI GROUP	30,000 ha / oil palm plantation / Kalimantan Barat
3.	KORINDO GROUP	> 25,000 ha / oil palm plantation / Irian Jaya, Indonesia.
4.	SWARNA NUSA SENTOSA	16,000 ha / oil palm plantation / Bangka.
5.	PT. GLOBAL KALIMANTAN MAKMUR	12,000 ha / oil palm plantation / West Kalimantan.
6.	TIANJIN LONGWIT OIL & GRAINS INDUSTRIAL CO. LTD.	15,000 ha / oil palm plantation / Central Kalimantan.
7.	PT SERBA HUTA JAYA / PT. HASFARM	>20,000 ha / oil palm, rubber & cocoa. / Northern Sumatera
8.	PT SERBA HUTA JAYA / PT. WONOREJO / PT. BELUNGKUT	12,000 ha / oil palm rubber & cocoa / East Kalimantan
9.	BUMI SURIA VENTURE	20,000 ha / oil palm plantation / Bintulu, Sarawak, Malaysia
10.	Absolute Ascend Sdn Bhd KUALA BERTIS ESTATE	1,713 ha / oil palm plantation / Gua Musang, Kelantan, Malaysia

NO.	PLANTATION GROUP	HA / CROP / LOCATION
11.	Absolute Ascend Sdn Bhd ARING ESTATE	4000 ha / oil palm plantation / Gua Musang, Kelantan, Malaysia

PT. SUNGAI BUDI GROUP LAMPUNG, INDONESIA

PT. Sungai Budi Group, founded in 1947 is one of the largest manufacturer and distributors of agricultural products in Indonesia. The company owns PT. Tunas Baru Lampung Tbk., and several public listed companies listed at Jakarta Stock Exchange.

Another member company listed at Jakarta Stock Exchange is PT. Budi Acid Jaya Tbk., the largest and most fully integrated tapioca starch manufacturer in Indonesia.

The company is well diversified and involves in many downstream activities namely production of cooking oil, stearine, cream soap and laundry soap.

Besides oil palm and cassava, the company also cultivate rubber and pineapple and operates the processing plants.

The company in synergistic partnership with Tropicrop has realized significant growth and success with continuous improvement strategies.



Nursery establishment and management



Empty Fruit Bunch utilization in the sandy areas for soil enrichment



Good road construction and maintenance.



Mechanical fertilizer application.



Flood mitigation programme

RUBBER CULTIVATION



Establishment of rubber nursery



Immature rubber inter-cropped with pineapple.

RUBBER PROCESSING



Processing line under construction



Smoke-house under construction

KORINDO GROUP

IRIAN JAYA, INDONESIA

KORINDO GROUP is a Korean company established in Indonesia on September 10, 1969. It is a multi-diversified company with interest in Forestry Management, Oil Palm Plantation, Container Manufacturing, Sports Shoe Manufacturing, Trading, Financial Services, Property Development, Transportation, Chemical Production, Battery Production and Insurance Services.

The oil palm project was launched in June, 1998 with an allocated area of about 40,000 hectares. To date a total of 15,000 ha of the area has been developed.



Tropicrop's Consultant Team at KORINDO office in Irian Jaya.



Oil palm seedlings in small polybags.



Soil analysis at site to determine the suitability for oil palm cultivation



Big polybags ready to receive 3 month old seedlings.

TRAINING AND TECHNOLOGY TRANSFER



Plantation Training Course conducted at PT. Sungai Budi Group



Training on Fire Control in PT. Silva Inhutani Lampung, Indonesia.



Hands on training and fire fighting demonstration during the course.



Preparation of foliar samples for analysis.

OTHER CROPS



Pineapple inter-cropped with rubber (Sg. Budi Grp)



Pineapple inter-cropped with coconut. (Sg. Budi Grp).



Pineapple monocropping (Sg. Budi Grp.)



Harvested pineapples ready for processing (Sg. Budi Grp)



Acacia wood ready to be transported (PT. Silva Inhutani Lampung, Indonesia)

5.2 AGRONOMIC CONSULTANCY SERVICES

NO.	PLANTATION / CLIENT	HA/ CROP / LOCATION
1.	Ladang Tawakal Sejati Sdn. Bhd.	4,482 ha / oil palm plantation / Bintulu Sarawak, Malaysia.
2.	Sarawak Pulp Industries Sdn. Bhd.	6,871 ha / oil palm plantation / Bintulu, Sarawak, Malaysia.
3.	PT Bakri Sumatera Plantations	10,000 ha / oil palm plantation / Kisaran, Pasaman & Jambi, Sumatera, Indonesia.
4.	PT Tunas Baru Lampung	5,154 ha / oil palm plantation / Lampung, Sumatera, Indonesia.
5.	PT Bumi Sentosa Abadi	962 ha / oil palm plantation / Lampung, Sumatera, Indonesia.
6.	PT Budi Dwiyasa Perkasa (A)	5,708 ha / oil palm plantation / Lampung, Sumatera, Indonesia.
7.	PT Budi Dwiyasa Perkasa (B)	2,110 ha / oil palm plantation / Lampung, Sumatera, Indonesia.
8.	PT Budi Dharma Godam Perkasa	588 ha / oil palm plantation / Lampung, Sumatera, Indonesia.
9.	PT Bangun Tata Lampung Asri	8,574 ha / oil palm plantation / Lampung, Sumatera, Indonesia.
10.	PT Silva Inhutani Lapung	43,000 ha / rubber, albizia and acacia plantation / Lampung, Sumatera, Indonesia.

NO.	PLANTATION / CLIENT	HA/ CROP / LOCATION
11.	PT Budi Lampung Sejahtera	10,000 ha / rubber, albizia & acacia plantation / Lampung, Sumatera, Indonesia.
12.	PT Hasfarm Product Limited.	12,000 ha / rubber, cocoa & oil palm / Tenggarong, Kalimantan Timur.
13.	PT. Tunas Erma	26,000 ha / oil palm plantation / Marauke, Irian Jaya, Indonesia.
14.	Seri Cermerlang Plantation Sdn Bhd	3804 Ha / oil palm plantation / Ladang Kosma 6 and Ladang Bandar 3.
15.	Ladang Sg. Nyalau, WTK Group.	11,000 ha / oil palm / Bintulu, Sarawak, Malaysia.
16.	Felcra, Malaysia	40,000 ha / oil palm plantations / in various parts on peninsular Malaysia.
17.	Air Putih Estate, Top Plantation Management Services Sdn. Bhd.	2,000 ha / oil palm / Terengganu Tengah, Malaysia.
18.	Plantation South Estate, Top Plantation Management Services Sdn. Bhd.	2,000 ha / oil palm / Terengganu Tengah, Malaysia.
19.	NPC Resources Sdn. Bhd.	8,000 ha / Oil Palm / Sandakan, Lahad Datu, Sabah
20.	ATLAS Group Plantation	3,000 ha / Oil Palm & Rubber / Johor Melaka & Negeri Sembilan.

NO.	PLANTATION / CLIENT	HA/ CROP / LOCATION
21.	ABID EMAS Sdn. Bhd.	6,000 Ha / Oil Palm / Lahad Datu, Sabah.
22.	PT. Swarna Nusa Sentosa	15,000 Ha / Oil Palm / Bangka, Indonesia.
23.	PT. Capella Dinamik Nusantara	8,000 Ha / Oil Palm / North Sumatera, Indonesia
24.	PT. Karimun Aromatics Co. Ltd.	3,000 Ha / Oil Palm / North Sumatera, Indonesia
25.	PT. Serba Huta Jaya	5,000 Ha/ Oil Palm / North Sumatera, Indonesia
26.	Absolute Ascend Sdn Bhd Kuala Bertis Estate	2,000 Ha / Oil Palm / Gua Musang, Kelantan, Malaysia



Onsite training and briefing for leaf sampling team (Bakri Bros. Group, Indonesia)



Vegetative measurement (Bakri Bros. Group, Indonesia)

5.3 PLANTATION ADVISORY SERVICES

NO.	CLIENT / YEAR	HA / CROP / LOCATION
1.	Ladang Sg. Nyalau, WTK Group	11,000 ha / Oil Palm / Bintulu, Sarawak, Malaysia.
2.	Sungai Budi Group plantations	80,000 ha / Oil Palm, Rubber and Agro-forest plantations / Sumatera & Kalimantan, Indonesia.
3.	Korindo Group	10,000 ha / Oil Palm plantation / Irian Jaya, Indonesia.
4.	Abid Emas Sdn Bhd	6,000 ha / Oil Palm / Lahad Datu, Sabah.
5.	PT Serba Huta Jaya / PT Hasfarm	20,000 ha / Oil Palm, Rubber & Cocoa plantations, Sumatera & Kalimantan, Indonesia
6.	Oshpalm Sdn. Bhd.	2,000 Ha / Oil palm / Pitas, Sabah.
7.	Kwantas Corp. Berhad	17,000 Ha / Oil Palm / Sabah
8.	WTK Group	5,000 Ha / Oil Palm / Sarawak
9.	Tawakal Sejati Sdn. Bhd.	4,500 Ha / Oil Palm / Sarawak
10.	ATLAS GROUP Plantation	3,000 Ha / Oil Palm and Rubber / Melaka, Johor & Negeri Sembilan.
11.	Ladang Bunga Tanjung	1,400 Ha / Oil Palm / Johor
12.	ROSEBAY Enterprise Sdn. Bhd.	2,000 Ha / Oil Palm / Sarawak
13.	PT. Swarna Nusa Sentosa	15000 Ha / Oil Palm / Bangka, Indonesia.

NO.	CLIENT / YEAR	HA / CROP / LOCATION
14.	PT. Capella Dinamik Nusantara	8,000 Ha / Oil Palm / North Sumatera, Indonesia
15.	PT. Karimun Aromatics Co. Ltd.	3,000 Ha / Oil Palm / North Sumatera, Indonesia
16.	PT. Serba Huta Jaya	5,000 Ha / Oil Palm / North Sumatera, Indonesia
17.	Harn Len Plantation	5,000 Ha / Oil Palm / Sarawak.
18.	Masranti Plantation	6,000 Ha / Oil Palm / Sarawak
19.	Solid Oil Palm Plantation	5,000 Ha / Oil Palm / Sarawak
20.	PT. TBL - Banyuasin	8,203 Ha / Assessment on Water Management System for sustainable Oil Palm Development and Logistic for Crop Evacuation / Indonesia
21.	PT. Raja Palma Sunsang	2,400 Ha / Assessment on Water Management System for sustainable Oil Palm Development and Logistic for Crop Evacuation / Indonesia
22.	PT. Kenten	1,956 Ha / Assessment on Water Management System for sustainable Oil Palm Development and Logistic for Crop Evacuation / Indonesia
23.	Absolute Ascend Sdn Bhd Aring Estate	632 Ha / Oil Palm / Gua Musang, Kelantan, Malaysia



Cover-crop establishment to minimize erosion, control weed and soil enrichment



Tropicrop's Consultant P.P. Chin evaluating mulching mats manufactured from empty fruit bunches



On site discussion between Tropicrop's Planting Advisor and Plantation Manager (Budi Duta Investindo, Indonesia)



Nursery inspection by Tropicrop's Planting Advisor (Tawakal Sejati, Malaysia)

5.4 SOIL & TERRAIN SURVEY

NO.	PLANTATION / CLIENT	HA / CROP / LOCATION
1.	Tawakal Sejati Sdn. Bhd.	4,482 ha / oil palm / Sibu, Sarawak, Malaysia.
2.	PT Gunung Maras Lestari	10,000 / oil palm / Bangka Island, Indonesia.
3.	PT Gunung Sawit Bina Lestari	12,400 ha / oil palm / Bangka Island, Indonesia.
NO.	PLANTATION / CLIENT	HA / CROP / LOCATION
4.	PT Rebinmas Jaya	25,000 ha / oil palm / Belitung Island, Indonesia.
5.	Far East Holdings Bhd.	20,000 ha / oil palm / Palembang, Sumatera, Indonesia.
6.	PT United Kingdom Indonesian Plantations	5,000 ha and 10,500 ha / oil palm / Bengkulu, Sumatera, Indonesia.
7.	PT Tunas Baru Lampung	5,154 ha / oil palm / Lampung, Sumatera, Indonesia.
8.	PT Budi Sentosa Abadi	962 ha / oil palm / Lampung, Sumatera, Indonesia.
9.	PT. Global Kalimantan Makmur	12,000 ha / GPS mapping and site confirmation for Oil Palm Project Establishment / Kalimantan Barat
10.	Tianjin Longwit Oil & Grains Industrial Co. Ltd.	15,000 ha / oil palm plantation / Central Kalimantan

11.	Marowijne Oil Palm Industry Development, Suriname	12,000 ha / GPS mapping and site confirmation for Oil Palm Project Establishment / Suriname.
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Soil sampling in progress (Bridgestone Grp, Indonesia)

5.5 FEASIBILITY STUDIES / BANKABLE DOCUMENT

NO.	PLANTATION / CLIENT	HA / CROP / LOCATION
1.	PT Mustika Sembuluh	17,500 ha / oil palm / Sampit, Kalimantan Tengah, Indonesia.
2.	Tawakal Sejati Sdn. Bhd.	4,482 ha / oil palm / Bintulu, Sarawak, Malaysia.
3.	Friendship Men Sarun Co. Ltd.	5,000 ha / oil palm / Ratanakiri, Northern Cambodia.
4.	Modern Khmer Agriculture Co., Phnom Penh	15,000 ha / oil palm / Ratanakiri, Northern Cambodia.
5.	PT Rebinmas Jaya	25,000 ha / oil palm / Pulau Belitung, Indonesia.
6.	Far East Holdings Bhd – Tradisi Group JV	20,000 ha / oil palm / Palembang, Sumatera, Indonesia
7.	Modular Resources Sdn. Bhd.	40,000 NCR land / oil palm / Simunjan, Sarawak, Malaysia.

8.	Ladang Unggul Sdn. Bhd.	10,700 ha / oil palm cultivation / Pahang, Malaysia.
9.	Koperasi Biro Jaya Sdn. Bhd.	6,800 ha / oil palm / Pahang, Malaysia.
10.	Siah Brothers Corp. Bhd.	5,000 ha / oil palm / Lawas, Sarawak, Malaysia.
11.	Geroda Jaya Sdn. Bhd. & PT Bangun Abadi Perkasa	20,000 ha / oil palm / Seriang, Kalimantan, Indonesia.
12.	Mentiga Plantation Management Services Sdn. Bhd. & PT Indo Karya Gematrans	12,000 ha / oil palm / Kalimantan Timur, Indonesia.
13.	Juwasas Sdn. Bhd. & PT Agroraya Gematrans	50,000 ha / oil palm / Pekan Baru, Sumatera, Indonesia.
14.	Ganad Corporation Bhd.	4,000 ha / oil palm / Dawei (Tavoy), Myanmar.
15.	Ganad Corporation Bhd.	20,000 ha / oil palm / Lenya, Bokypin, Southern Myanmar.
16.	PT Plantana Razsindo & Era Anika Sdn. Bhd.	47,500 ha / oil palm / Kabupaten Kapuas Hulu, Kalimantan Barat, Indonesia.
17.	Feasibility Study on Kuamut Forest Reserve, Sandakan Sabah	370,000 ha / Teak and Oil Palm and forest management / Sandakan, Sabah
18.	Feasibility Study on the Sapalut Forest Reserve, Sandakan Sabah	95,000 ha / forest management, including oil palm cultivation / Sapalut, Sandakan, Sabah
19.	PT. SAC Nusantara	12,000 Ha / Oil Plam and Coconut cultivation / Lampung, Mesuji.

20.	METROSUTRA Sdn. Bhd.	1,000 ha of land with Title No. CL 155310115 partly planted with Oil Palm in district of Pensiangan State of Sabah.
21.	Asia Pacific Triumph Sdn Bhd	8,980 ha comprising of Joint Venture and Leasing operation in Endau, Rompin, Pahang, Malaysia.
22.	Saswina (M) Sdn Bhd	8,000 ha / Oil Palm plantation / Abia State, Enugu State, Nigeria.
23.	PT. Natura Pasific Nusantara (Glenealy Plantations (M) S/B	Development Plan for 4,335 Ha. For Oil Palm Plantation in Berau, Kalimantan Timur, Indonesia
24.	PT. Berau Karetindo Lestari (Glenealy Plantations (M) S/B	Development Plan for 7,024 Ha. For Oil Palm Plantation in Berau, Kalimantan Timur, Indonesia
25	OLAM International Ltd	Feasibility Study of 30,000 Ha for Oil Palm Plantation in the Republic of Congo

5.6 PROJECT ASSESSMENT, JV PROPOSAL & ACQUISITION

NO.	PLANTATION / CLIENT	PROJECT / HA / LOCATION
1.	PT Mustika Sembuluh	Investment consideration for oil palm cultivation over 17,500 ha land in Sampit, Kalimantan Tengah, Indonesia.
2.	Theraz Sdn. Bhd.	Assessment of the Kemayan Estate covering 3,088 ha oil palm plantation with oil mill in Pahang, Malaysia, for potential acquisition.
3.	Sumber Saga Sdn. Bhd.	Project proposal for timber-based industries over 50,000 ha forest land in Northwest Myanmar.

4.	WTK-TMS Consortium	Project proposal for timber extraction and saw milling over 150,000 forest land in North-western and Southern Myanmar.
5.	Sri Indaria (M) Sdn. Bhd.	Joint Venture proposal to SALCRA for 10,000 ha oil palm project in Sri Aman, Sarawak, Malaysia.
6.	Sri Idaria (M) Sdn. Bhd.	Joint venture proposal over the Raya Oil Palm Estate covering 9,271 ha in Lundu, Sarawak, Malaysia.
7.	Bakun Development Committee	Joint venture proposal over 33,000 ha land for oil palm plantation in Belaga, Sarawak for the displaced inhabitants.
8.	Bapak Budi Sumartono	Site assessment of 30,000 ha land to ascertain its suitability for oil palm cultivation.
9.	Mekong Project Development Facility (Subsidiary of IFC) –	Assessment of the condition of the Nam Do Rubber Plantation covering 591 ha in Southern Vietnam, including proposing measures for improvement, and project financial analysis.
10.	Bridgestone Corporation (Japan) & Tokyo-Mitsubishi International (Singapore) Ltd.	Valuation of PT Mahkota Bumi (Hasfarm Group), Kalimantan Selatan, Indonesia. Covers 6,100 ha, planted with rubber and cocoa.
11.	Seri Cermerlang Plantation Sdn Bhd	Project Assessment for Ladang Kosma 6 and Ladang Bandar 3 / 3804 Ha
12.	Miramas Development Sdn. Bhd.	Assessment 10,300 acres of loggable land to be replanted, with oil palm in Ulu Relai, Gua Musang, Kelantan.
13.	PT. Baleyasa Sawit Agrotama	Assessment over 50,000 ha land in Sorong, Irian Jaya, Indonesia for timber extraction and oil palm cultivation.

NO.	PLANTATION / CLIENT	PROJECT / HA / LOCATION
14.	Kabilah Plantation Sdn. Bhd.	Assessment over 30,000 acres land for timber extraction and oil palm cultivation in Jeli.
15.	Beta Omega Sdn. Bhd.	Assessment and feasibility studies to 100,000 ha land in Kabupaten Nunukan, Kalimantan Timur, Indonesia.
16.	Kabilah Timur Sdn. Bhd.	Assessment on the feasibility of timber extraction along the national grid transmission (275KVA) on TNB land totally 30,000 acres stretching from Kenyir to Tanah Merah, Kelantan.
17.	Philip Lee Investment (PNG) Pte. Ltd./Oasis Legacy Sdn. Bhd.	Assessment over 110,000 ha land in Collugiwood & Dyke Auckland Bay, Oro Province, PNG for oil palm planting.
18.	Value Plus Plantation Pte. Ltd.	Assessment over 50,000 Ha in Papua New Guinea for Oil Palm Establishment Development.
19.	Value Plus Plantation Pte. Ltd.	Assessment over 30 / 60 tons Palm Oil Mill project in Jambi / South Sumatra.
20.	Value Plus Plantation Pte. Ltd.	Assessment on 20,000 ha in Jambi and South Sumatra for Oil Palm Plantation Establishment.
21.	Zhong Heng Tai Investment, Suriname NV	Assessment feasibility timber extraction over 40,000 ha in Suriname and subsequent establishment of Oil Palm Plantation.
22.	PT Lintas Agro Makmur	Assessment of 11,000 ha tones land to develop oil palm plantation and Agriculture programme.
23.	Cobra Group	19,000 ha / Oil Palm plantation / Kukra Hill, Tasbapauni, Nicaragua
24.	Palm Oil Energy Industry Co. Ltd	50,000 ha / Oil Palm plantation / Chanthaburi, Thailand

25.	Alam Muhibah Estate, Leong Hup Holdings Bhd	4,050 ha / Oil Palm plantation / Gua Musang, Kelantan, Malaysia.
26.	Hwang DBS Investment Bank.	Assessment on Progress and Development and Environmental Management Programs.
27.	PT. Berau Karetindo lestari (Glenealy Plantation Bhd)	7,024 ha / Due Diligence for Oil Palm Development / Berau, Kalimantan Timur, Indonesia
28.	PT. Natura Pasific Nusantara (Glenealy Plantation Bhd)	4,335 ha / Due Diligence for Oil Palm Development / Berau, Kalimantan Timur, Indonesia



Rubber estate assessment
(Bridgestone Grp., Indonesia)



Rubber factory evaluation
(Bridgestone Grp, Indonesia)



Site assessment (Beta Omega,
Kalimantan Timor, Indonesia)



Site assessment (Beta Omega,
Kalimantan Timor, Indonesia)



Project Assessment, KOSMA
Group, Malaysia)



Site assessment visit. (Cambodia)

5.7 ENGINEERING AND PALM OIL MILL PROJECTS COMPLETED

NO.	CLIENT / YEAR	PROJECT
1.	Kumpulan Guthrie Bhd. (1976/1977)	Design, Construction and Commissioning of 36 MT FFB / hr palm oil mill at Tanah Merah, Negri Sembilan, Malaysia.
2.	National Development Corporation / Kumpulan Guthrie Bhd. (1984/1985)	Design, Construction and Commissioning of 36 MT FFB / hr palm oil mill in Mindanao, Philippines.
3.	Ghana Oil Palm Development Corp. / World Bank (1987/1989)	Construction and Commissioning of 30 MT FFB / hr palm oil mill in Ghana.
4.	Karnataka State, India (1989/1990)	Design, Construction and Commissioning of 30 MT FFB / hr palm oil mill in Karnataka State, India.
5.	Powertek Sdn. Bhd. (1994/1995)	Construction of a 440 MW Open – Cycle, Gas turbine power plant at Melaka, Malaysia.
6.	P.T. Bumi Raya Utama (1994/1995)	Design, Construction and Commissioning of 80 MT FFB / hr palm oil mill in Kalimantan, Indonesia.
7.	YTL Corporation (1993/1994)	Construction of 900 MW Combined- Cycle gas turbine power plant at Paka, Terengganu, Malaysia.
8.	STI – K Polymers Sdn. Bhd. (1995)	Design, Construction and Commissioning of chemical blending plant for recycling waste rubber by using a patented chemical blend.

NO.	CLIENT / YEAR	PROJECT
9.	PETRONAS (1995 / 1996)	Design, Construction and Commissioning of 6 units of diesel gen-sets to provide stand – by power at Kuala Lumpur, Malaysia.
10.	Berjaya Star City (1997)	Design of 12 MW power house consisting of 6 units of diesel gen-sets to provide Stand – by power at Kuala Lumpur, Malaysia.
11.	Kuala Lumpur International Airport (1997)	Design and Commissioning of Carbon Dioxide fire suppression system for the Terminal Approach Radar Station and Runway Equipment Shelters.
12.	Aitken Spence Plantation Pvt. Ltd. (1998)	Feasibility study and site selection for a 5 MT FFB / hr palm oil mill in Sri Lanka.
13.	Bell Group (1998)	Construction of 80 MT FFB / hr palm oil mill at Lahad Datu, Sabah, Malaysia.
14.	Palm Oil Research Institute of Malaysia (PORIM) 1998	Construction of a 20 MT FFB / hr experimental palm oil mill.
15.	PT. Agro Indomas, West Kalimantan 1998-2000	Design, Preparation of Tender documents and Drawings, Tender evaluation and project supervision for a 45-90 mt/hr palm oil mill.

NO.	CLIENT / YEAR	PROJECT
16.	PT Korindo Irian Jaya	Feasibility study for the setting up a 15/30/45 mt/hr palm oil mill.
17.	BS Engineering Sdn. Bhd. (2002)	Proposed Construction of 30 mt/hr Palm Oil Mill at Ladang Sg. Terah, Gua Musang, Kelantan (FS)
18.	Pt. Sg. Indah Gemilang. South Sumatera, Indonesia	Design and Project Management of 60 ton/hour CPO mill. Management Consultancy of Mill Operation and Marketing of CPO.

PALM OIL MILL PROJECTS BY ENGINEERING CONSULTANTS

Completed projects



Mechanical works for S.A.L.C.R.A., at BAU, Sarawak



PKO Mill at Aguan, Honduras



Mill expansion at LEAN, Honduras



Mill expansion at Aceydesa, Honduras



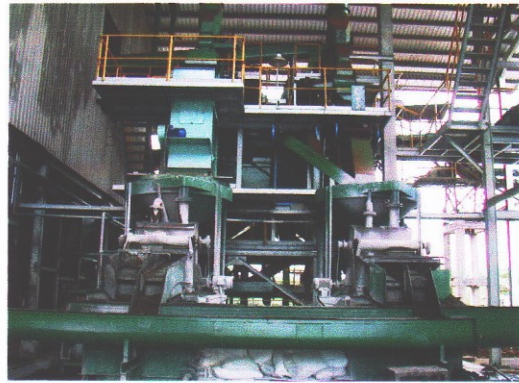
Plant expansion at Aguan, Honduras



New mill at Palcasa, Honduras



Plant expansion at Vichitbhan, Thailand



New Kernel recovery station at Vichitbhan, Thailand



Mill equipments for Turnkey project at Sg. Rangit P.O.M., Kalimantan Tengah



New project for Cukra, Nicaragua



Refinery building for Aguan, Honduras

5.8 RUBBER PROCESSING PLANTS COMPLETED AND RUBBER PROCESSING CONSULTANCY

NO.	CLIENT / YEAR	PROJECT
1.	PT Silva Inhutani Lampung/ 2004	Design, construction, installation and commissioning of Latex Concentrate Factory.
2.	State Owned Rubber Estates (SORES), Cambodia (2004)	Assessment and Valuation of T SORE Factories in Kampong Cham under the Ministry of Agriculture, Cambodia
3.	Department of Agriculture Wunan Province, China (2003)	Feasibility studies on the improvement for the 4 rubber manufacturing factories at Hokhau District, Wunan
4.	Chalong Latex Factory, Songkhla, Thailand (2003)	Consultancy services for the improvement on factory operation efficiency and product quality.
5.	Chana Latex Co. Ltd., Thailand (2002)	Consultancy services for the improvement on factory operation efficiency and product quality.
6.	E Hup Huat Co. Ltd, Hatyai, Thailand (1999/2000)	Design, Construction, installation and commissioning of Latex Concentrate Factory.
7.	E Hup Huat Co. Ltd, Hatyai, Thailand (1997 – 2000)	Management Consultation Services to the establishment and management of Block Rubber Factory and Skim Rubber Factory. Establishment of quality test Laboratory for the company. Implementation of ISO 9000 quality Management system for the Rubber Factory.

NO.	CLIENT / YEAR	PROJECT
8.	PT. Golden Energy, Indonesia	Design, construction, installation and commissioning of 15 ton/hour crumb rubber factory. Management consultancy services to operate factory and marketing of crumb rubber.

5.9 ENVIRONMENTAL IMPACT ASSESSMENT PROJECTS

NO.	PLANTATION / CLIENT	PROJECT
1.	Raya Oil Palm Plantation Sarawak (LCDA)	Team Leader and Agronomy Consultant (In Association with Mex Environmental Sdn Bhd). 10,000 Ha
2.	Serbakong Sago Plantation Mukah, Sarawak (LCDA) 13, 850 ha.	Team Leader and Agronomy Consultant (In Association with Mex Environmental Sdn Bhd). 10,000 Ha
3.	Sri Datai Engineering Sdn. Bhd.	Environmental Management Plan of the Upgrading, Improvement and Sealing of the Existing Sg. Malupa to Simpang Roban Road, Sarawak..
4.	Maraputra Sdn. Bhd.	Environmental Management Plan of the Upgrading, Improvement and Sealing of the Existing Simpang Roban Road to Kayu Malam Road, Sarawak.

6.0 LANDSCAPING CONSULTANCY

NO.	PLANTATION / CLIENT	PROJECT
1.	Sitescape Sdn Bhd	Consultant Horticulturist for Preparation of Majlis Perbandaran Kuantan Landscaping Masterplan.

7.0 KENAF CULTIVATION

NO.	PLANTATION / CLIENT	PROJECT
1.	WTC Eco-tani in cooperation with Matsushita Japan	Management of Kenaf Plantation in Pahang, Malaysia to supply raw materials for Kenaf Fibreboard Production in Mieco-Matsushita JVC.

8.0 OIL PALM NURSERY

NO.	PLANTATION / CLIENT	PROJECT
1.	Fedepalma, Honduras	Establishment and Management of 3 oil palm nurseries (50 hectares x 3) for the purpose of oil palm plantation expansion in Honduras.

Suriname Project



Field check by river



PP Chin with EIA Consultants



Group picture with the China's investors (Suriname)

Liberia Project



A small holding in Bassa County



Dr. Wong receiving a gift from the village Chief in Liberia

Honduras Project



Malaysian Oil Palm seedlings developing well in Honduras



Address by PP Chin, CEO, Tropicrop in the inauguration of the oil palm nursery by the President of Honduras

Nigeria Project



Simple fruit threshing machine used by the mill in Abia State, Nigeria



The mill layout as seen from the outside using simple technology by local farmers in Nigeria

Jambi, Indonesia Project



Rubber seeds being germinated in the bed in Jambi, Indonesia



Seedlings planted in polybags.



Another view of the well-developed seedlings in Jambi.

RADAR LAMPUNG

KAMIS, 18 JANUARI 2007

PT Tunas Baru Lampung Tbk. Berkomitmen Penuh terhadap RSPO



Jajaran direksi PT Tunas Baru Lampung, Tbk.



Presiden Direktur PT TBL, Tbk. Widarto memukul gong tanda dibukanya seminar sehari, kemarin.

PADA tanggal 16 Januari 2007, jajaran direksi PT Tunas Baru Lampung (TBL) melaksanakan seminar tentang Sosialisasi dan Penerapan RSPO (*Roundtable on Sustainable Palm Oil*) di lingkungan PT TBL, Tbk –anak perusahaan dari Sungai Budi Group—, di Hotel Four Season, Jakarta.

Hal tersebut sebagai bukti bahwa jajaran direksi PT TBL Tbk. berkomitmen penuh terhadap penerapan RSPO di lingkungan perusahaan. Komitmen tersebut kemudian diteruskan ke jajaran para manajer di Lampung dengan menggelar seminar sehari di Hotel Nusantara, Bandarlampung, kemarin (17/1).

Seminar dihadiri sekitar 200 peserta, terdiri dari

manajer/asisten-asisten per-kebunan dan pabrik-pabrik di lingkungan PT TBL, Tbk. Dalam seminar, Perseroan mengundang pembicara dari *Malaysian Environmental Consultants* (MEC) Sdn. Bhd. yang juga dihadiri pimpinan dari PT Rabobank Indonesia Jakarta.

PT TBL merupakan satu-satunya perusahaan di Indonesia yang berkomitmen penuh untuk melakukan semua prinsip dan kriteria dalam RSPO. Ada 8 prinsip dan 39 kriteria dalam RSPO ini yang meliputi masalah sosial, lingkungan, kesehatan, dan keselamatan kerja.

"Seiring makin berkembangnya zaman dan besarnya penjualan ekspor Perseroan ke Eropa, maka Perseroan juga dituntut untuk membuka diri terhadap perkembangan zaman tersebut, guna, menghadapi persaingan yang makin ketat. Dalam menghadapi persaingan tersebut maka dituntut adanya suatu standar-standar tertentu guna memenuhi permintaan dari pasar dunia," ujar Presiden Direktur PT TBL Tbk. Widarto dalam sambutannya.

Standar tersebut, terus Widarto, akan selalu dicoba untuk disosialisasikan dan diterapkan di lingkungan Perseroan tanpa mengesampingkan masalah-masalah sosial, lingkungan, serta keselamatan dan kesehatan kerja yang akan terus menjadi perhatian perseroan. Hal ini menunjukkan bahwa PT TBL berkomitmen penuh terhadap RSPO dalam rangka ikut menunjang kelangsungan/keberlanjutan lingkungan hidup yang lestari. (adv)



Widarto



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