

ISSN.0126-6632

# perkasa

sarawak timber industry development corporation

october-december 2018

quarterly magazine

**Love And Appreciate  
The Environment**





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First place under the Forest Panorama category (cover photo). •

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# T-MEGA A New Milestone In The Development Of Tanjung Manis

The re-positioning of Tanjung Manis Economic Growth Area (T-MEGA) marks a new milestone in the development of Tanjung Manis. Blessed with natural deep water port and strategic location, T-Mega serves as a new economic hub of the central region of Sarawak with diverse industrial developments such as shipbuilding and maintenance, Palm Oil Industrial Cluster (POIC), timber-based industries, oil and gas, agriculture and livestock, aquaculture and fisheries, halal food production and processing and other supporting industries.

The good river system, ideal water quality and low-lying land in Tanjung Manis offer huge potential for aquaculture activities.







Lab On Review Of Tanjung Manis Masterplan Series 1/2 on 18-20 September 2018 •

"124,000 hectares were earmarked for focussed industries in T-MEGA. Investors will enjoy HALMAS status with incentives and Halal certification support services," Datuk Amar Haji Awang Tengah Ali Hasan, Deputy Chief Minister of Sarawak and Second Minister of Urban Development & Natural Resources, Minister of Industrial &

Entrepreneur Development and Chairman of STIDC Board of Management said.

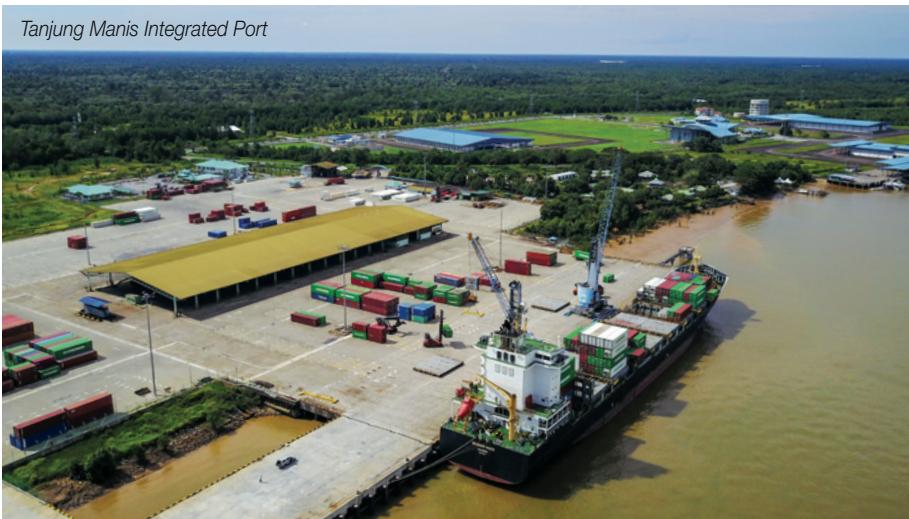
According to him, POIC will facilitate the export and processing of crude palm oil (CPO) for the central region which has more than 400,000 hectares of oil palm. Currently, CPO bulking terminal

has been in operation since 2017 and a CPO refinery is in the pipeline to catalyse downstream CPO based by-products.

He revealed that, to date the total investment in POIC area has reached RM400 million (CNY664 Million) while investment in halal hub is estimated at RM836 million (CNY1.4 Billion) in addition to current investment of RM1.5 billion (CNY 2.49 Billion) in shipbuilding and timber industry.

"Since the establishment of T-Mega, the government has invested about RM3.14 billion for infrastructure development such as port, airport, telecommunication, electricity, water, wharf, housing as well as commercial and centre. Presently, a 16-storey administrative centre is under construction to serve as a one stop service centre for both the government and private sectors," the minister added.

Tanjung Manis Integrated Port





# RM809 Million Worth Of Investment To Pour Into Tanjung Manis



*Datuk Amar Haji Awang Tengah (seventh left) together with the delegates at Crown Plaza Fuzhou Riverside, China.* •

A Memorandum of Agreement (MoA) was signed between PUSAKA Capital Sendirian Berhad, TG Agro Holdings Sendirian Berhad and Sun Valley Holdings Sendirian Berhad on 25 September 2018 at Crown Plaza Fuzhou Riverside, China. PUSAKA Capital Sendirian Berhad is a subsidiary and investment arm of STIDC. The signing ceremony was witnessed by Datuk Amar Haji Awang Tengah Ali Hasan, Deputy Chief Minister of Sarawak and Second Minister of Urban Development & Natural Resources, Minister of Industrial & Entrepreneur Development and Chairman of STIDC Board of Management.

"This MoA will further enhance trade among the parties concerned. I am glad that Pusaka Capital Sendirian Berhad

and Sun Valley Holdings Sdn Bhd, a subsidiary of Dade Group have seized this opportunity through the Memorandum of Understanding signed on 15th December 2017 to explore the viability of having large scale aquaculture venture in Tanjung Manis Halal Hub. With the positive finding, the parties today are moving forward with the signing of MoA for the proposed aquaculture project in Tanjung Manis, initially for shrimp breeding and processing as well as other activities including research and promotion," the minister said.

Under this MoA, about 2,300 hectares of land were earmarked for aquaculture. The first phase of the project will focus on Lot 41 with an area of about 447 hectares taking advantage of the availability of road and other basic amenities and utilities.

The remaining 1,824 hectares will be developed under phase 2 and phase 3.

"I learned that the MoA will bring in investment worth USD196 million (RM809 Million or CNY1.3 Billion) and upon completion, the project is expected to generate the annual production of 40 thousand tonnes of shrimp with an estimated value of USD209 million (RM863 million or CNY 1.43 Billion). In addition, it will also generate 1,500 employment and business opportunities. It is hoped that the signing of this agreement would bring in more business ventures not only for DADE Group and all the parties concerned, but also for other potential Chinese investors. I also hope that this visit will foster long term business relationship with Dade group and other Chinese investors," the minister added.



*Datuk Amar Haji Awang Tengah (fifth left) meeting with representatives of Sun Valley Holdings Sendirian Berhad. Also seen is STIDC General Manager, Tuan Haji Hashim Haji Bojet (second right).* •



# Winners Grabbed RM30,000.00 Prizes

The photography competition came back in its second edition in conjunction with STIDC 45<sup>th</sup> anniversary this year. The competition featured 452 photography masterpieces of the 84 photography enthusiasts who contested under the wood and its uses, flora and fauna and forest panorama categories.

STIDC General Manager, Tuan Haji Hashim Haji Bojet said, the competition aimed to create interest among the people to take

photography as a career besides encouraging them to love and appreciate the environment.

He thanked the panel of judges from Universiti Malaysia Sarawak (UNIMAS), Universiti Teknologi MARA (UITM) and Lim Kok Wing Institute of Creative Technology, Sarawak for their professional services in judging and ensuring the success of the competition.

STIDC offered cash prizes to the top five winners of every category:

Categories	First RM5,000.00	Second RM3,000.00	Third RM1,000.00	Fourth RM500.00	Fifth RM500.00
Wood and Its Uses	Pendi Bin Kamri	Ardi Bin Sa'ait	Hu Toh Kai	Muhammad Rais Sanusi	Hii Yii Kuong
Flora and Fauna	John Lai Teck Kee	Mak Sen Fatt	Wong Muh Lung	Cecilia Lai Yan Fei	Ahmad Rushdan Bin Abdul Manan
Forest Panorama	Lau Yew Hung	Kelvin Chan Wan Li	Chong Say Liong	Suzyana Binti Effendi	Chiew Chun Hian



• Tuan Haji Hashim (standing in the centre) and the STIDC management members posing with the winners.



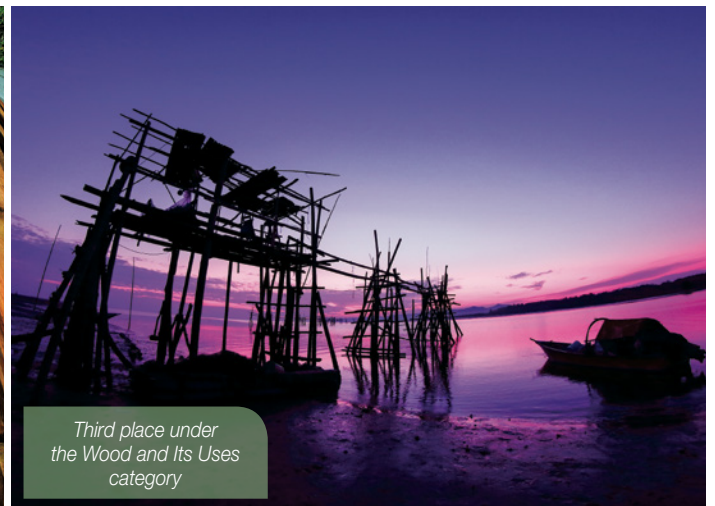
First place under  
the Wood and Its Uses  
category



Second place under  
the Wood and Its Uses  
category



Third place under  
the Wood and Its Uses  
category



Consolation under  
the Wood and Its Uses  
category



Consolation under  
the Wood and Its Uses  
category



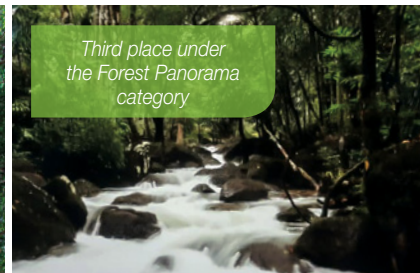








Second place under the Forest Panorama category



Third place under the Forest Panorama category



Consolation under the Forest Panorama category

# Tap ASEAN & Global Markets

Industry players from Sarawak and Indonesia were encouraged to collaborate and accelerate the development of furniture industry for win-win benefits.

Deputy Chief Minister of Sarawak, Datuk Amar Haji Awang Tengah Ali Hasan said, Sarawak and Indonesia are rich in forest resources and advised them to collaborate in order to become furniture producers for ASEAN and the global markets.



Datuk Amar Haji Awang Tengah (fifth right) witnessing the exchange of MoA documents between Tuan Haji Hashim (fourth right) and Dr. Imam (fifth left).



With the combined population of 640 million people, ASEAN offers immense market potentials waiting to be fully tapped by furniture entrepreneurs from Sarawak and Indonesia.

Towards that end, he said, the timber industry transformation plan was initiated to transform the industry into a high income sector by focusing on the development of value-added products particularly furniture.

This augurs well with the collaborative efforts of STIDC, UNIMAS and Samling Housing Products Sendirian Berhad in developing young professional furniture designers under the Pool of Young Designers (POYOD) programme. The first batch of POYOD one year attachment training commenced in

January 2018. The second batch will begin early next year.

The Deputy Chief Minister revealed that Sarawak recorded RM6.13 billion in export revenue from timber and timber products in 2017 in which furniture and its components contributed RM46.7 million.

He commended Indonesia for its advancement and creativity in furniture making besides penetrating and competing in the global market.

He was witnessing the Memorandum of Agreement (MoA) signing ceremony between the Institute Technology of Bandung (ITB) and STIDC on 26<sup>th</sup> October 2018. Signing on behalf of STIDC was its Acting General Manager, Tuan Haji Hashim Haji Bojet while ITB was represented by

the Dean of Faculty of Arts and Design, Dr. Imam Santosa.

The MoA paves the way to enhance POYOD training programme to produce young designers between STIDC and ITB.

Present at the ceremony were the Assistant Minister of Industrial Development, Malcolm Mussen Lamoh, Consul General of the Republic of Indonesia in Kuching, Bapak Yonny Tri Prayatino, Rector of ITB, Prof. Dr. Kadarsah Suryadi, Permanent Secretary to the Ministry of Industrial Development, Datu Liaw Soon Eng, President of Sarawak Business Federation, Datuk Abang Abdul Karim Tun Datuk Abang Openg, state assemblymen Ripin Lamat, Aidel Lariwoo, Shafiee Ahmad and Christopher Gira.



- Datuk Amar Haji Awang Tengah (front row: fourth left) posing with the delegates at ITB. STIDC General Manager, Tuan Haji Hashim Haji Bojet is standing on the second row (fourth left) and his deputy, Mdm. Dayang Nena Abang Bruce is at the front row (second right).



# Sungkai Wood For Global Market

**S**ungkai tree (*Peronema Canescens*), also known as White Teak, belongs to the family of *Verbenaceae*. It is an indigenous species found in Java, Borneo (Kalimantan), Peninsular Malaysia and Thailand. Sungkai, Jati Sabrang or Jati Londo are the common names in Malaysia and Indonesia.

Research conducted by Universiti Malaysia Sabah (UMS) discovered that Sungkai is an indigeneous tropical light weight hard wood tree species with several unique characteristics such as fast growing, small tree crown, light branching, deep root system, easy working properties, multipurpose usages as well as high resistant to insects and diseases. Rated as moderately durable, its wood is also fairly resistant to prolong drought and to discoloration by sap-stain fungus.

With the density of between 520-730 kg/m<sup>3</sup> at 15% moisture content, Sungkai wood surface is moderately glossy and dries quite rapidly without serious defect. It contains 49% cellulose, 16.5% pentosan, 1.6% ash and 0.4% silica.

Sungkai trees thrive in low and undulating lands particularly in moist and wet sites as well as on poor soil, steep terrain and on peat soil. They are commonly found in secondary forests, river banks and logged-over forests of up to 600 meters above sea-level.

It is one of the rare tropical tree species that exhibits well defined annual growth rings to correspond with its age when felled and crossed-cut.

Sungkai tree seedlings can be propagated by vegetative propagation, coppice



2½ years Sungkai trees planted on a steep hill slope at the nursery in Telipok, Kota Kinabalu •

propagation, tissue culture propagation and seed germination. Vegetative propagation is done by cutting the young tree stamp and insert into the polythene bag filled with soil and bred for three to four months. Coppice propagation is done by propagating young tree coppice in 'misting chamber' for three to four months until the coppice produces roots and several young leaves. The coppice without soil attached is termed as 'bare rooted seedling' and will transfer into polythene bags. This seedling will then be kept under shed and bred for two months before planting. This propagation method is able to produce more tree seedlings compared with vegetative propagation. Tissue culture propagation is the propagation of tree seedlings in laboratory. It is capable of producing large quantity of tree seedlings although it is labour and cost intensive because the seedlings require treatment of 'hardening process' before planting into polythene bag for about three months. Seed germination is complicated and is yet to produce the desired result.



The narrow tree crowns and light branching characteristics of Sungkai trees •





• Sungkai tree stump with the annual growth rings at a tree nursery in Telipok, Kota Kinabalu

Planting Sungkai tree in logged over sites and abandoned land is done by 'Monoculture Open Planting'. The recommended planting space is 3m x 3m (10ft x 10ft). In this planting pattern, a hectare of land can be planted with 1,000 Sungkai trees or 435 trees per acre.

Sungkai tree planting is more economical due to minimal maintenance. This is evident by the 11-year old Sungkai trees in Kinarut, Kota Kinabalu planted without proper silviculture management and fertilizer and have yielded satisfactory result.

For the first two years of Sungkai tree planting, it is recommended that 'Circular weeding' of about two feet around the young trees be carried out at least twice a year. At the same time, small amount

• 11 years old Sungkai trees (unmaintained) at Kinarut, Kota Kinabalu with girth measurement of 37 inches (94cm)



of fertiliser such as NPK 15-15-15 is applied to boost growth. Pruning is also recommended once the trunk reaches 4m to increase length.

Sungkai trees can be ideally cultivated for reforestation in logged over sites and abandoned land and flourish under oil palm agroforestry due to their small tree crowns. The trees also make good choice for landscape particularly by the roadside due to their fast growth, high survival rate, straight bole and fewer branches. The trees also have deep root system with no buttress, beautiful form and minimal litter-fall. Other recommended planting sites are river-side and steep terrain where oil palm planting is not viable due to high maintenance costs and difficulties in harvesting.

The planting space in oil palm agroforestry is 3m x 3m with 100 trees per hectare or 40 trees per acre compared with 2m x 3m (6ft x 9ft) for landscape. The trees are ready for harvesting ten years after planting. Sungkai trees can become an alternative source of raw materials due to their high quality hard wood.

Sungkai wood is white in colour with beautiful liner figures. It is ideal for plywood, flooring, furniture, interior construction, fancy wood products and musical instruments. It is sought-after by China, Japan, Korea, Taiwan and Western European countries.

Sungkai wood is classified as luxurious with Indonesia as its sole exporter. Its products are exported to several Asian countries. Demand is on upward trend both locally and internationally and this will boost the value further particularly with the European markets now insisting on planted forest timber products to ensure environmental protection. Presently, Sungkai sawn timber is valued at USD350.00 per M<sup>3</sup>.

Proper silviculture management ensures bigger logs and higher returns from Sungkai trees. This is the same with those planted under the oil palm agroforestry because the trees receive nutrition from the plantations.

The planting of Sungkai trees under the oil palm agroforestry is viable because there are many oil palm estates in the country whose potential are yet to be fully tapped to optimise land use and to produce good quality logs. This is beneficial because the trees produce oxygen and generate income. This helps to mitigate pressure on natural forests besides providing an alternative supply of raw materials for the industry.



• Two years old Sungkai trees planted as landscape

Sungkai is a lesser known tree species in Malaysia. Written literature on the morphological description of this tree species is limited. It is, therefore, often being neglected and classified as 'low grade' or other timber (OT) by the industry.

UMS is pursuing further research to promote large scale Sungkai tree planting to complement raw materials from natural forests as well as to sustain the industry and economy.

Sungkai tree planting augurs well with the aspiration to establish one million hectares of planted forests in Sarawak by 2025 with fast growing tree species to ensure continuous supply of raw materials for the industry. STIDC supports this initiative by promoting Sungkai tree planting. STIDC also supplies Sungkai saplings through its subsidiary, KoPUSAKA Sendirian Berhad.



# 2018

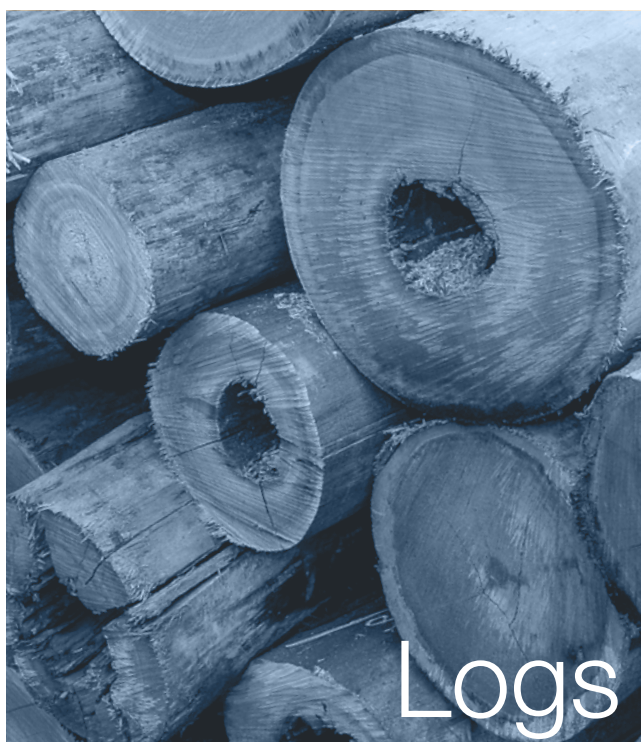
## market performance

for January to September

## Export Value of Logs & Timber Products

The export revenue derived from timber and timber products for the period of January to September 2018 was RM4.0 billion compared with RM4.6 billion during the corresponding period last year. This represented a drop of 14% due to weaker export performance of logs (41%), sawn timber (18%), plywood (8%), veneer (16%), dowel (40%), fibreboard (3%) and particle board (19%). Growth in export revenue, however, was recorded for laminated board/flooring (15%), moulding (82%), block board (20%) and woodchips (87%).

Plywood, logs and sawn timber contributed RM2.3 billion, RM555 million and RM489 million respectively and accounted for 83% of the value of timber and timber products for the third quarter of 2018. **(Table 1)**



The first nine months of 2018 saw a decrease on export volume of logs by 42% to 1.0 million m<sup>3</sup> from 1.7 million m<sup>3</sup> and a decrease by 41% in value to RM554 million from RM936 million during the same period.

Indonesia remained as the top consumer of logs with 489 million m<sup>3</sup>. This represented a reduction of 43%. This was followed by India and Taiwan who also cut consumption by 37% (417 thousand m<sup>3</sup>) and 24% (61 thousand m<sup>3</sup>) respectively. Market performance of logs experienced a slowdown due to lower output.

These countries constituted 95% of the export volume and 94% of the export value of logs for the first nine months of 2018.

The average FOB unit value of logs increased by 2% from RM537 to RM547 during the same period.

**(Table 2)**





The export volume of sawn timber slid by 27% at 278 thousand m<sup>3</sup> during the first nine months of 2018 compared to 382 thousand m<sup>3</sup>. The export value also decreased by 18% to RM489 million from RM594 million compared to the same period in 2017.

The Philippines remained as top consumer of sawn timber with 91 thousand m<sup>3</sup> worth RM158 million. This was followed by the Middle East and Thailand with a decrease in export volume by 18% (68 thousand m<sup>3</sup>) and 48% (34 thousand m<sup>3</sup>) respectively.

These countries constituted 70% of export volume and 69% of export value of logs for the first nine months of 2018.

The average FOB unit value of sawn timber increased by 13% from RM1,557 to RM1,7623 for the third quarter of 2018 compared to the similar period in 2017. **(Table 3)**

Plywood export continued to decline to 1.1 million m<sup>3</sup> (RM2.3 billion), down 18% in volume and 8% in value from 1.3 million m<sup>3</sup> (RM2.5 billion) compared to the same period last year.

Plywood accounted for RM2.3 billion or 57% of the overall revenue earned from timber and timber products in Sarawak.

Japan maintained its position as the number one buyer of plywood although with decreased consumption by 8% at 728 thousand m<sup>3</sup> or 69% of the export value at RM1.6 billion. Other major plywood importers were Korea and the Middle East with a decrease in export volume by 42% and 29% respectively.

These countries contributed 86% to the total export volume and value of plywood for the first nine months of 2018.

The average FOB unit value of plywood increased by 11% from RM1,872 to RM 2,084 for the third quarter of 2018 compared to the similar period in 2017. **(Table 4)**





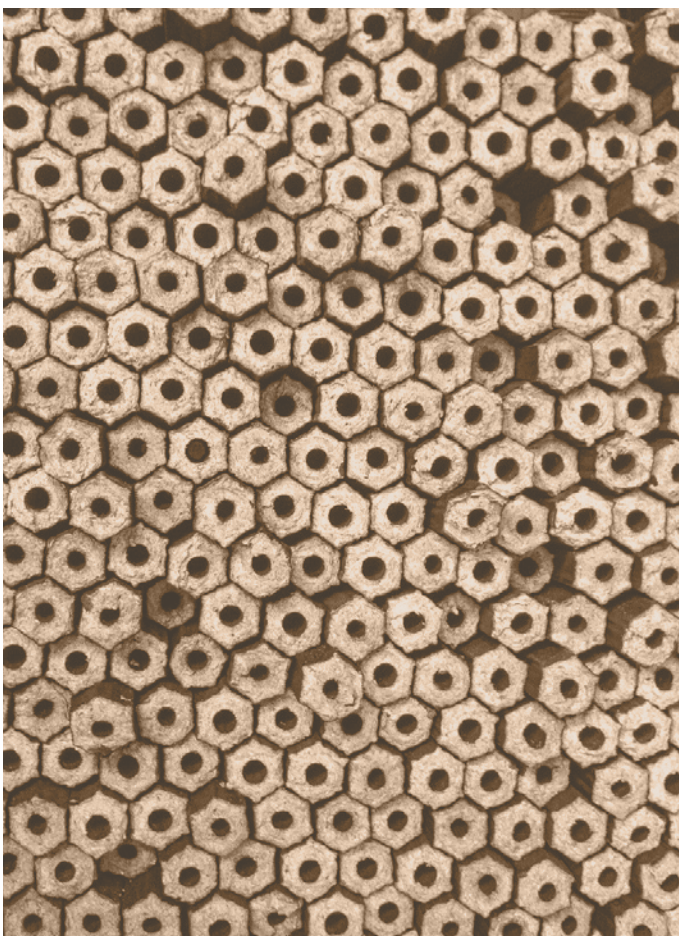


## Other Timber products

Other timber products included veneer, dowels, moulding, particleboard, fibreboard, block board, laminated board, woodchip and others (Table 1). The export value of these products was RM0.68 billion and accounted for 17% of the overall value of the timber and timber products exported from January to September 2018.

Respective decreases in export value were that of veneer (16%), dowel (40%), fibreboard (3%) and particle board (19%). In spite of the decrease in export volume, there were steady growth for laminated board/flooring (15%), moulding (82%), block board (20%) and woodchips (87%) in the January to September 2018 compared to the corresponding period last year.

**(Table 5, 6, 7, 8, 9 & 10)**





**TABLE 1**  
EXPORT SUMMARY OF TIMBER AND TIMBER PRODUCTS FROM SARAWAK

PRODUCTS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
LOG	1,013,248	554,531	13.95	1,741,424	935,651	20.31	(41.81)	(40.73)
SAWNTIMBER	277,658	489,461	12.31	381,726	594,416	12.91	(27.26)	(17.66)
PLYWOOD	1,080,064	2,251,523	56.63	1,313,244	2,458,703	53.38	(17.76)	(8.43)
VENEER	68,490	112,762	2.84	90,303	134,901	2.93	(24.15)	(16.41)
LAMINATED BOARD / FLOORING	7,664	28,431	0.72	6,419	24,813	0.54	19.40	14.58
MOULDING	8,065	15,016	0.38	3,527	8,250	0.18	128.64	82.01
DOWEL	123	453	0.01	172	757	0.02	(28.50)	(40.23)
FIBREBOARD	135,172	229,580	5.77	131,377	236,179	5.13	2.89	(2.79)
BLOCKBOARD	2,032	2,663	0.07	1,733	2,216	0.05	17.25	20.15
PARTICLE BOARD	41,859	26,894	0.68	50,186	33,225	0.72	(16.59)	(19.06)
OTHER PRODUCTS*	133,682	146,405	3.68	78,093	94,748	2.06	71.18	54.52
OTHER PRODUCTS**[Units]	2,903,605	29,930	0.75	2,593,767	34,846	0.76	11.95	(14.11)
WOODCHIP [tonne]	211,530	88,400	2.22	116,740	47,318	1.03	81.20	86.82
<b>TOTAL (m<sup>3</sup>) (RM)</b>	<b>2,768,057</b>	<b>3,976,050</b>	<b>100</b>	<b>3,798,205</b>	<b>4,606,023</b>	<b>100</b>	<b>(27.12)</b>	<b>(13.68)</b>

**\*OTHER TIMBER PRODUCTS:**

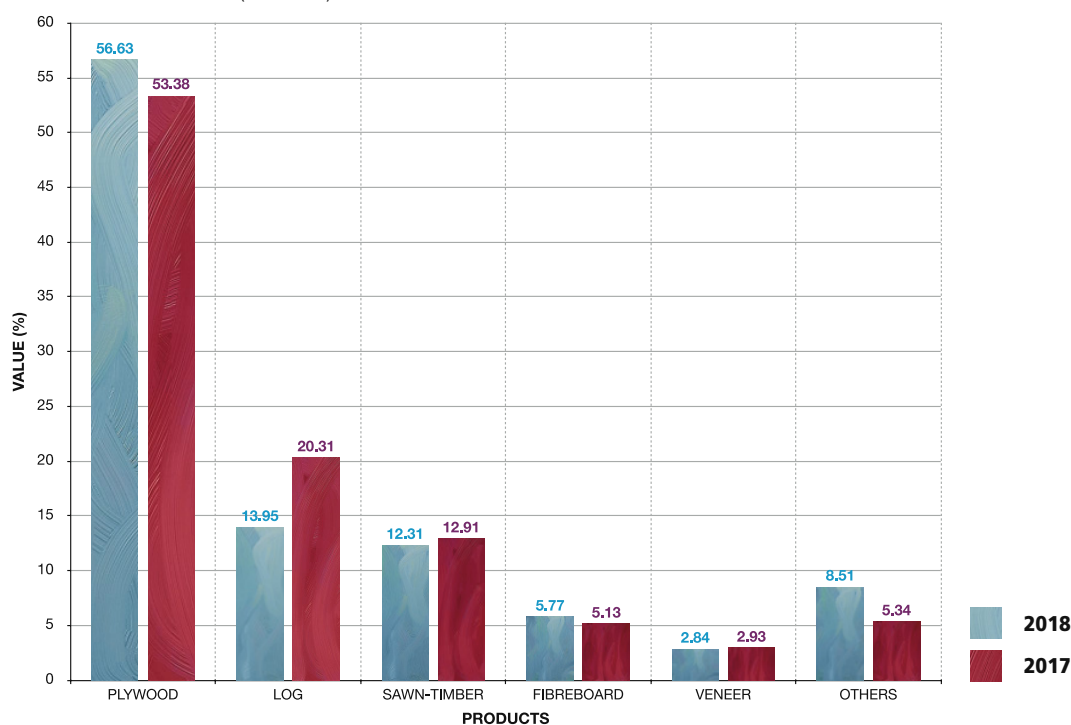
- Charcoal
- chopping board
- Core Plugs
- Densified wood
- Door & door frames
- Doorskin
- Finger jointed
- Lamin Board
- Laminated beam
- Laminated post
- Laminated Veneer Lumber (LVL)
- Railways sleepers
- Wood Pellets
- Wooden Fence
- Wooden frames
- Wooden lattice
- Wooden handle
- Wooden panels
- Wooden stakes

**\*\*OTHER TIMBER PRODUCTS:**

- Furniture & Furniture parts
- Wooden pallets

## Notes:

- > Fibreboard include MDF and HDF
- > Total of volume (m<sup>3</sup>) does not includes woodchips (tonne) and other product (units)
- > a = actual data & total does not include application/permit to transport goods within the Federation [Customs Declaration Form No.3 (CDF3)]
- > p = preliminary data & total does not include application/permit to transport goods within the Federation [Customs Declaration Form No.3 (CDF3)]

**EXPORT VALUE (%) OF MAJOR TIMBER & TIMBER PRODUCTS**  
FROM SARAWAK (RM'000) : 2018 / 2017



**TABLE 2**  
EXPORT OF LOGS BY COUNTRY OF DESTINATIONS

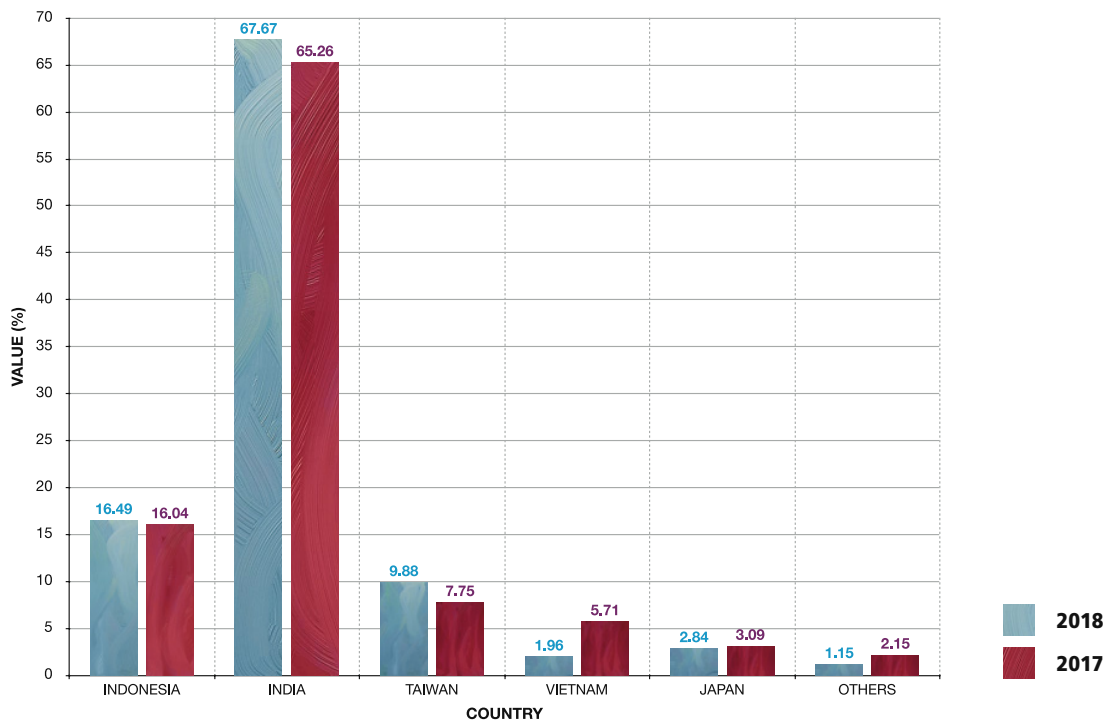
DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
INDONESIA	488,608	91,423	16.49	861,103	150,112	16.04	(43.26)	(39.10)
INDIA	416,845	375,267	67.67	663,814	610,567	65.26	(37.20)	(38.54)
TAIWAN	60,749	54,799	9.88	80,455	72,513	7.75	(24.49)	(24.43)
VIETNAM	21,236	10,868	1.96	75,303	53,411	5.71	(71.80)	(79.65)
JAPAN	17,826	15,771	2.84	30,326	28,894	3.09	(41.22)	(45.42)
CHINA	6,731	4,552	0.82	19,922	13,571	1.45	(66.21)	(66.46)
KOREA	1,253	1,851	0.33	10,474	6,535	0.70	(88.04)	(71.67)
OTHERS	-	-	-	27	48	0.01	(100.00)	(100.00)
<b>TOTAL</b>	<b>1,013,248</b>	<b>554,531</b>	<b>100</b>	<b>1,741,424</b>	<b>935,651</b>	<b>100</b>	<b>(41.81)</b>	<b>(40.73)</b>

\*OTHER DESTINATIONS:

- UNITED STATES

**EXPORT VALUE (%) OF LOGS TO MAJOR DESTINATIONS**

(RM'000) : 2018 / 2017





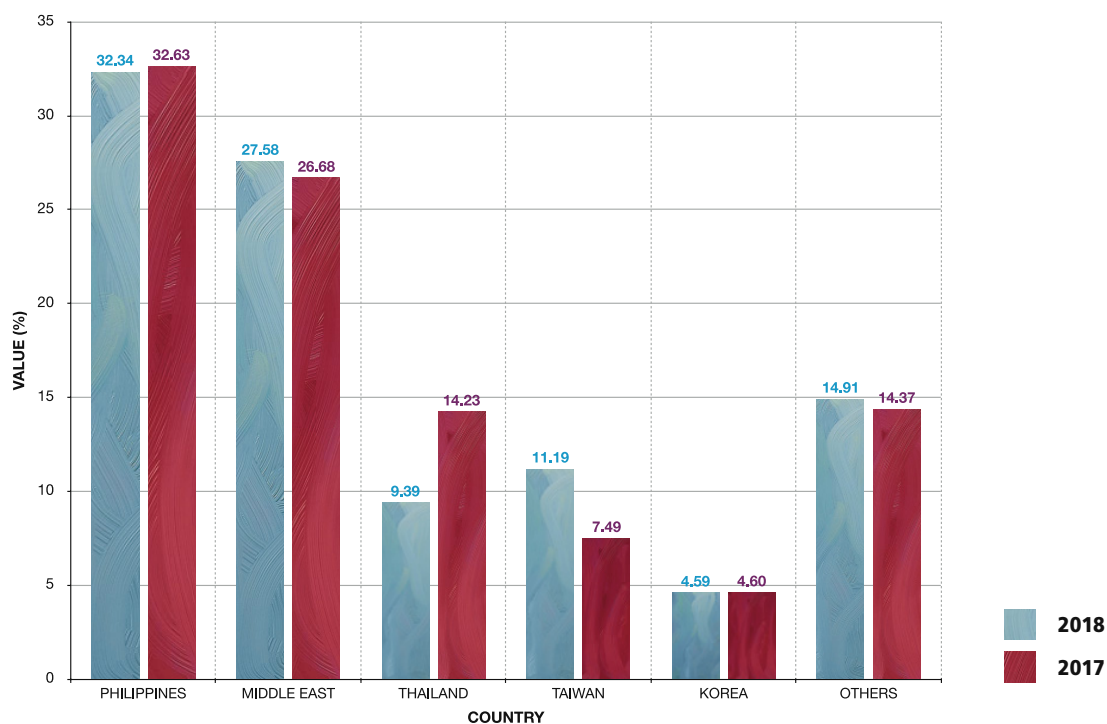
**TABLE 3**  
EXPORT OF SAWN-TIMBER BY COUNTRY OF DESTINATIONS

DESTINATIONS	2018 <sup>p</sup> January - September			2017 <sup>p</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
PHILIPPINES	90,928	158,272	32.34	132,394	193,930	32.63	(31.32)	(18.39)
MIDDLE EAST	68,003	134,996	27.58	83,336	158,605	26.68	(18.40)	(14.89)
THAILAND	34,407	45,974	9.39	66,457	84,607	14.23	(48.23)	(45.66)
TAIWAN	32,561	54,772	11.19	37,489	44,510	7.49	(13.15)	23.06
KOREA	13,029	22,478	4.59	15,687	27,354	4.60	(16.94)	(17.83)
JAPAN	10,609	24,251	4.95	13,020	30,204	5.08	(18.52)	(19.71)
CHINA	9,803	11,333	2.32	9,602	12,123	2.04	2.10	(6.51)
INDIA	4,460	7,728	1.58	6,870	11,972	2.01	(35.08)	(35.45)
SRI LANKA	3,805	8,442	1.72	3,860	8,216	1.38	(1.44)	2.76
SOUTH AFRICA	2,729	5,030	1.03	2,095	4,012	0.68	30.28	25.36
OTHERS	7,322	16,186	3.31	10,916	18,882	3.18	(32.92)	(14.28)
<b>TOTAL</b>	<b>277,658</b>	<b>489,461</b>	<b>100</b>	<b>381,726</b>	<b>594,416</b>	<b>100</b>	<b>(27.26)</b>	<b>(17.66)</b>

**\*OTHER DESTINATIONS:**

- AUSTRALIA
- BRUNEI DARULSALAM
- EU
- HONG KONG
- MALAYSIA (Peninsular or Sabah-free zon)
- UNITED STATES
- MALDIVIES
- MAURITIUS
- PAKISTAN
- SEYCHELLES
- SINGAPORE
- REUNION
- VIETNAM

**EXPORT VALUE (%) OF SAWN-TIMBER TO MAJOR DESTINATIONS**  
(RM'000) : 2018 / 2017





**TABLE 4**  
EXPORT OF PLYWOOD BY COUNTRY OF DESTINATIONS

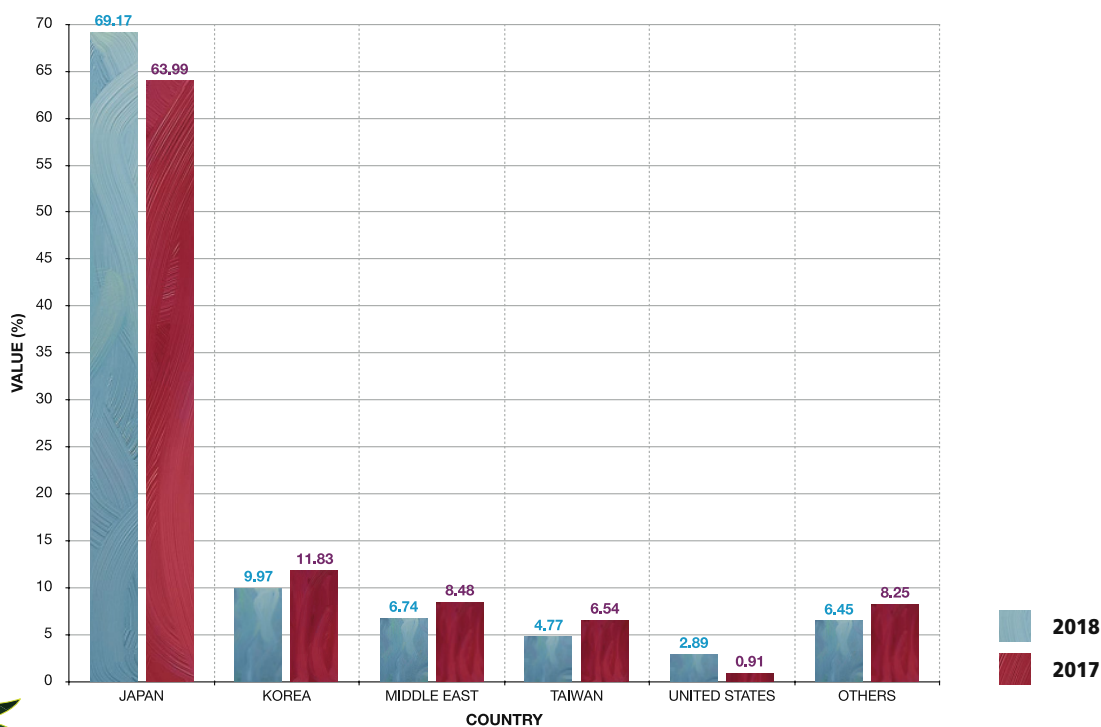
DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
JAPAN	728,491	1,557,366	69.17	787,661	1,573,360	63.99	(7.51)	(1.02)
KOREA	104,224	224,554	9.97	179,549	290,854	11.83	(41.95)	(22.79)
MIDDLE EAST	97,052	151,764	6.74	136,008	208,601	8.48	(28.64)	(27.25)
TAIWAN	61,010	107,481	4.77	99,986	160,714	6.54	(38.98)	(33.12)
UNITED STATES	24,011	65,088	2.89	11,576	22,269	0.91	107.43	192.28
CHINA	11,721	23,981	1.07	20,841	39,318	1.60	(43.76)	(39.01)
AUSTRALIA	9,370	23,711	1.05	10,856	26,894	1.09	(13.69)	(11.84)
INDIA	8,770	22,277	0.99	11,243	27,347	1.11	(22.00)	(18.54)
HONG KONG	7,750	16,540	0.73	19,403	35,879	1.46	(60.06)	(53.90)
VIETNAM	7,217	15,764	0.70	5,888	12,533	0.51	22.58	25.78
OTHERS	20,448	42,997	1.91	30,233	60,932	2.48	(32.37)	(29.44)
<b>TOTAL</b>	<b>1,080,064</b>	<b>2,251,523</b>	<b>100</b>	<b>1,313,244</b>	<b>2,458,703</b>	<b>100</b>	<b>(17.76)</b>	<b>(8.43)</b>

**\*OTHER DESTINATIONS:**

- BRUNEI DARUSSALAM
- BANGLADESH
- CANADA
- DJIBOUTI
- EGYPT
- EU
- FIJI
- INDONESIA
- MALAYSIA (Peninsular or Sabah-free zon)
- MALDIVES
- MEXICO
- NEW ZEALAND
- NORTHERN MARIA ISLAND
- PAKISTAN
- PAPUA NEW GUINEA
- PHILIPPINES
- PUERTO RICO
- SEYCHELLES
- SINGAPORE
- SOLOMON ISLANDS
- SOMALIA
- SOUTH AFRICA
- SRI LANKA
- THAILAND
- TURKEY

**EXPORT VALUE (%) OF PLYWOOD TO MAJOR DESTINATIONS**

(RM'000) : 2018 / 2017





**TABLE 5**  
EXPORT OF VENEER BY COUNTRY OF DESTINATIONS

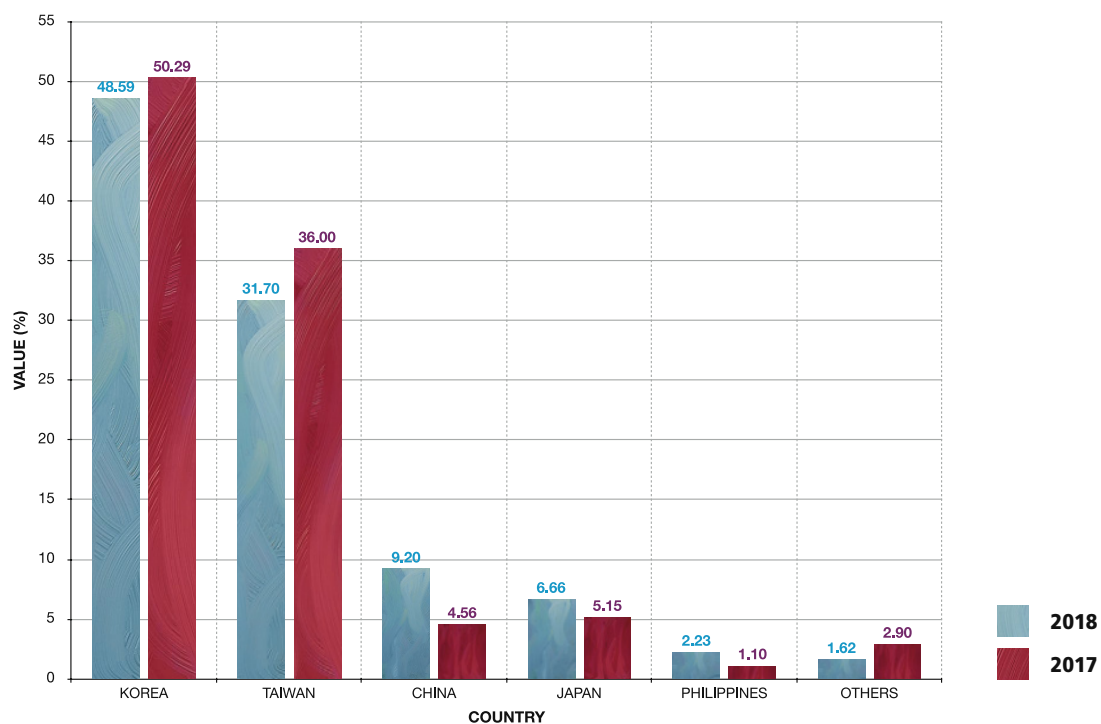
DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
KOREA	31,479	54,787	48.59	41,642	67,846	50.29	(24.41)	(19.25)
TAIWAN	23,797	35,750	31.70	38,431	48,568	36.00	(38.08)	(26.39)
CHINA	7,126	10,378	9.20	4,732	6,146	4.56	50.60	68.85
JAPAN	3,302	7,506	6.66	3,002	6,953	5.15	9.98	7.95
PHILIPPINES	2,264	2,516	2.23	1,235	1,478	1.10	83.36	70.19
OTHERS	523	1,825	1.62	1,261	3,909	2.90	(58.50)	(53.30)
<b>TOTAL</b>	<b>68,490</b>	<b>112,762</b>	<b>100</b>	<b>90,303</b>	<b>134,901</b>	<b>100</b>	<b>(24.15)</b>	<b>(16.41)</b>

**\*OTHER DESTINATIONS:**

- AUSTRALIA
- BRUNEI DARUSSALAM

**EXPORT VALUE (%) OF VENEER TO MAJOR DESTINATIONS**

(RM'000) : 2018 / 2017





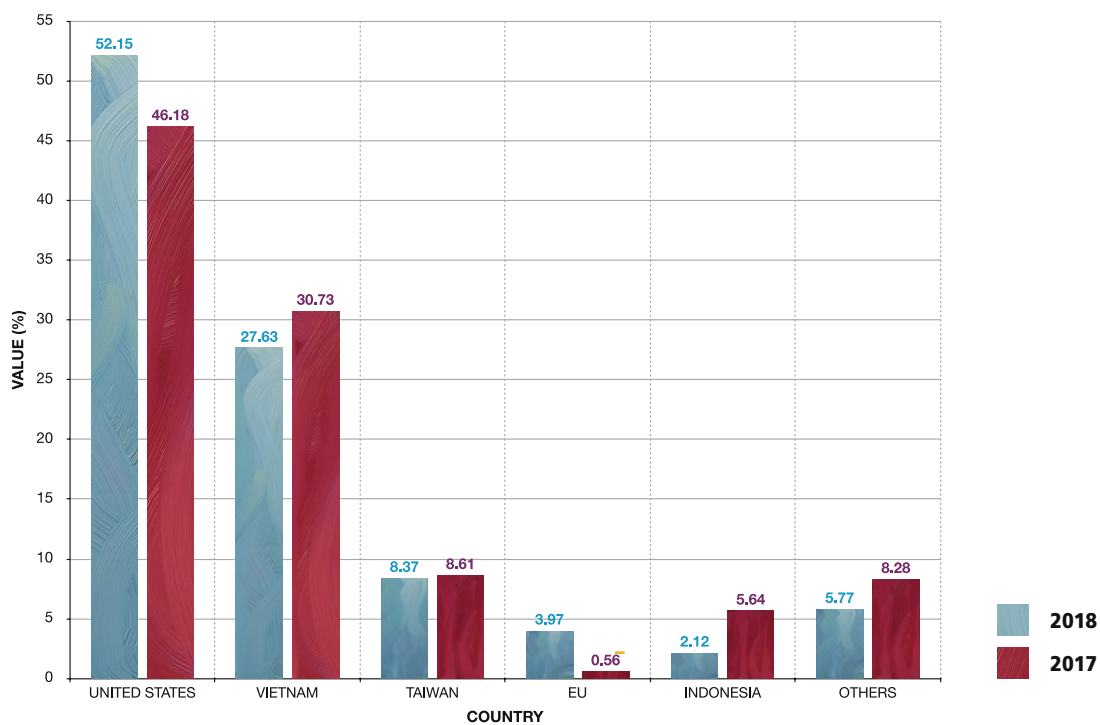
**TABLE 6**  
EXPORT OF LAMINATED BOARD/FLOORING BY COUNTRY OF DESTINATIONS

DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
UNITED STATES	3,559	14,827	52.15	2,516	11,459	46.18	41.47	29.40
VIETNAM	2,246	7,854	27.63	1,964	7,626	30.73	14.38	2.99
TAIWAN	858	2,379	8.37	760	2,136	8.61	12.88	11.36
EU	273	1,128	3.97	34	138	0.56	100.00	100.00
INDONESIA	207	602	2.12	485	1,400	5.64	(57.18)	(56.98)
BRUNEI DARUSSALAM	133	536	1.88	185	593	2.39	(27.92)	(9.61)
KOREA	109	270	0.95	247	592	2.38	(55.70)	(54.38)
MIDDLE EAST	71	168	0.59	69	142	0.57	3.67	18.06
INDIA	56	203	0.71	-	-	-	100.00	100.00
BANGLADESH	46	71	0.25	-	-	-	100.00	100.00
OTHERS	105	393	1.38	160	729	2.94	(34.33)	(46.01)
<b>TOTAL</b>	<b>7,664</b>	<b>28,431</b>	<b>100</b>	<b>6,419</b>	<b>24,813</b>	<b>100</b>	<b>19.40</b>	<b>14.58</b>

**\*OTHER DESTINATIONS:**

- AUSTRALIA
- CHINA
- JAPAN
- MYANMAR
- SINGAPORE

**EXPORT VALUE OF LAMINATED BOARD / FLOORING TO MAJOR DESTINATIONS**  
(RM'000) : 2018 / 2017





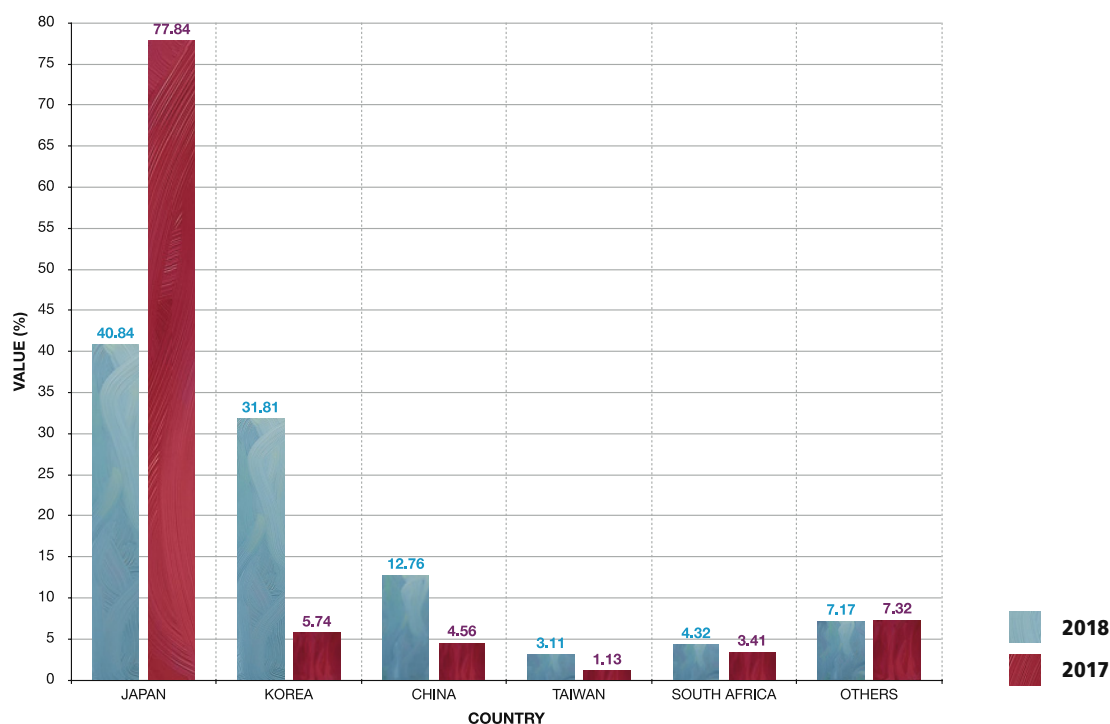
**TABLE 7**  
EXPORT OF MOULDING BY COUNTRY OF DESTINATIONS

DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
JAPAN	2,725	6,133	40.84	2,593	6,422	77.84	5.09	(4.50)
KOREA	2,545	4,777	31.81	211	473	5.74	1107.36	908.81
CHINA	2,006	1,916	12.76	349	376	4.56	474.53	409.41
TAIWAN	306	466	3.11	52	94	1.13	483.38	398.36
SOUTH AFRICA	170	648	4.32	86	281	3.41	98.32	130.64
UNITED STATES	117	278	1.85	158	314	3.81	(25.85)	(11.59)
AUSTRALIA	61	241	1.61	65	240	2.90	(6.57)	0.81
MALDIVES	57	282	1.88	-	-	-	100.00	100.00
HONG KONG	24	51	0.34	-	-	-	100.00	100.00
EU	24	107	0.71	-	-	-	100.00	100.00
OTHERS	30	117	0.78	13	50	0.61	131.71	132.12
<b>TOTAL</b>	<b>8,065</b>	<b>15,016</b>	<b>100</b>	<b>3,527</b>	<b>8,250</b>	<b>100</b>	<b>128.64</b>	<b>82.01</b>

**\*OTHER DESTINATIONS:**

- SEYCHELLES
- MAURITIUS

**EXPORT VALUE OF MOULDING TO MAJOR DESTINATIONS**  
(RM'000) : 2018 / 2017



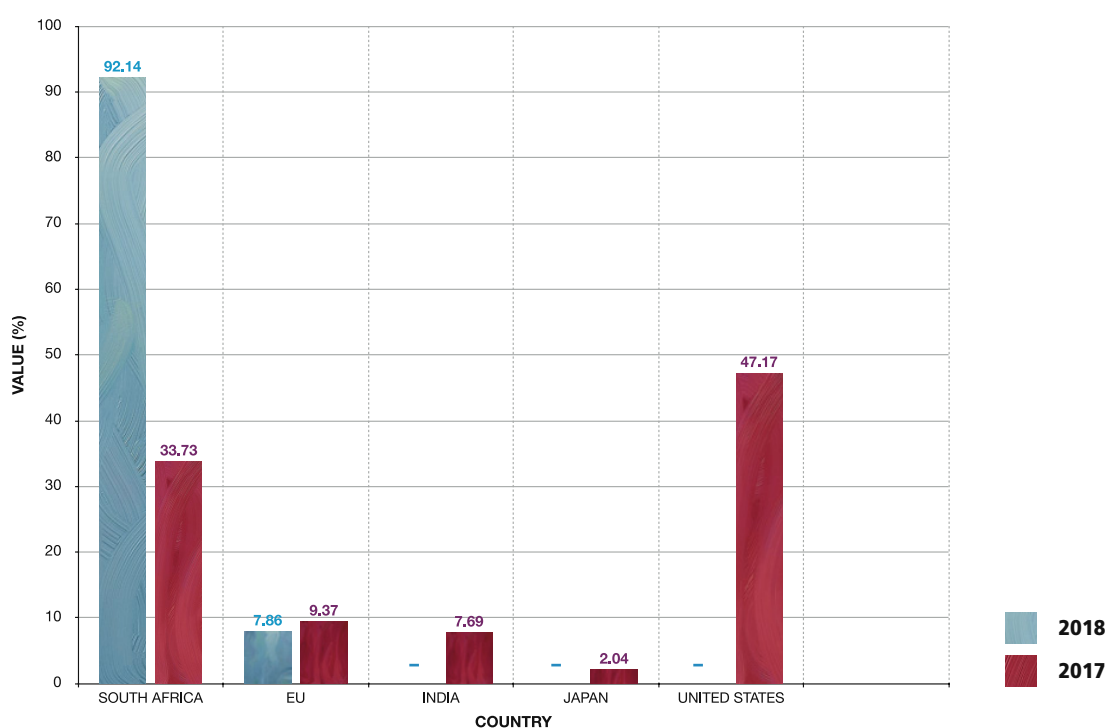


**TABLE 8**  
EXPORT OF DOWEL BY COUNTRY OF DESTINATIONS

DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
SOUTH AFRICA	115	417	92.14	67	256	33.73	72.36	63.25
EU	9	36	7.86	9	71	9.37	(8.21)	(49.85)
INDIA	-	-	-	22	58	7.69	(100.00)	(100.00)
JAPAN	-	-	-	3	15	2.04	(100.00)	(100.00)
UNITED STATES	-	-	-	72	357	47.17	(100.00)	(100.00)
<b>TOTAL</b>	<b>123</b>	<b>453</b>	<b>100</b>	<b>172</b>	<b>757</b>	<b>100</b>	<b>(28.50)</b>	<b>(40.23)</b>

### EXPORT VALUE OF DOWEL TO MAJOR DESTINATIONS

(RM'000) : 2018 / 2017



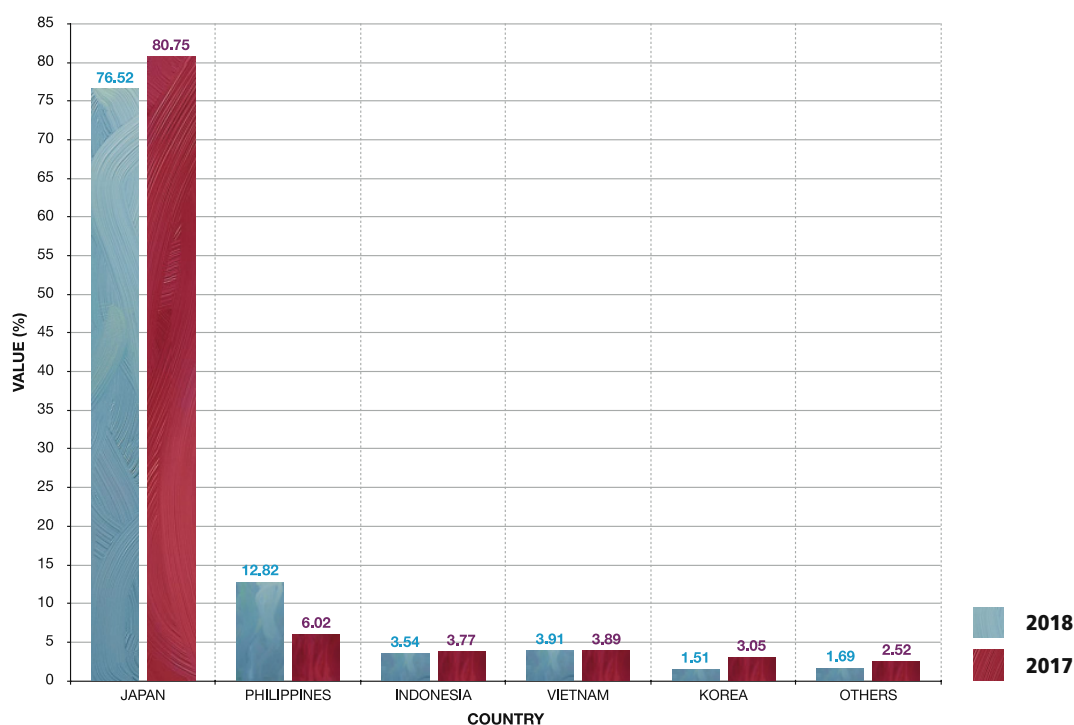
**TABLE 9**  
EXPORT OF FIBREBOARD BY COUNTRY OF DESTINATIONS

DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M³)	FOB Value (RM'000)	Value %	Volume (M³)	FOB Value (RM'000)	Value %	Volume	Value
JAPAN	104,423	175,685	76.52	104,104	190,715	80.75	0.31	(7.88)
PHILIPPINES	15,965	29,441	12.82	9,435	14,207	6.02	69.21	107.23
INDONESIA	5,804	8,133	3.54	5,566	8,913	3.77	4.28	(8.75)
VIETNAM	4,509	8,972	3.91	4,653	9,188	3.89	(3.10)	(2.35)
KOREA	2,083	3,468	1.51	3,977	7,211	3.05	(47.61)	(51.91)
TAIWAN	1,982	3,333	1.45	1,544	2,854	1.21	28.40	16.77
BRUNEI DARUSSALAM	242	194	0.08	44	48	0.02	444.38	305.77
OTHERS	164	355	0.15	2,054	3,043	1.29	(92.02)	(88.33)
<b>TOTAL</b>	<b>135,172</b>	<b>229,580</b>	<b>100</b>	<b>131,377</b>	<b>236,179</b>	<b>100</b>	<b>2.89</b>	<b>(2.79)</b>

**\*OTHER DESTINATIONS:**

- INDIA
- SOUTH AFRICA

**EXPORT VALUE OF FIBREBOARD TO MAJOR DESTINATIONS**  
(RM'000) : 2018 / 2017





**TABLE 10**  
EXPORT OF PARTICLE BOARD BY COUNTRY OF DESTINATIONS

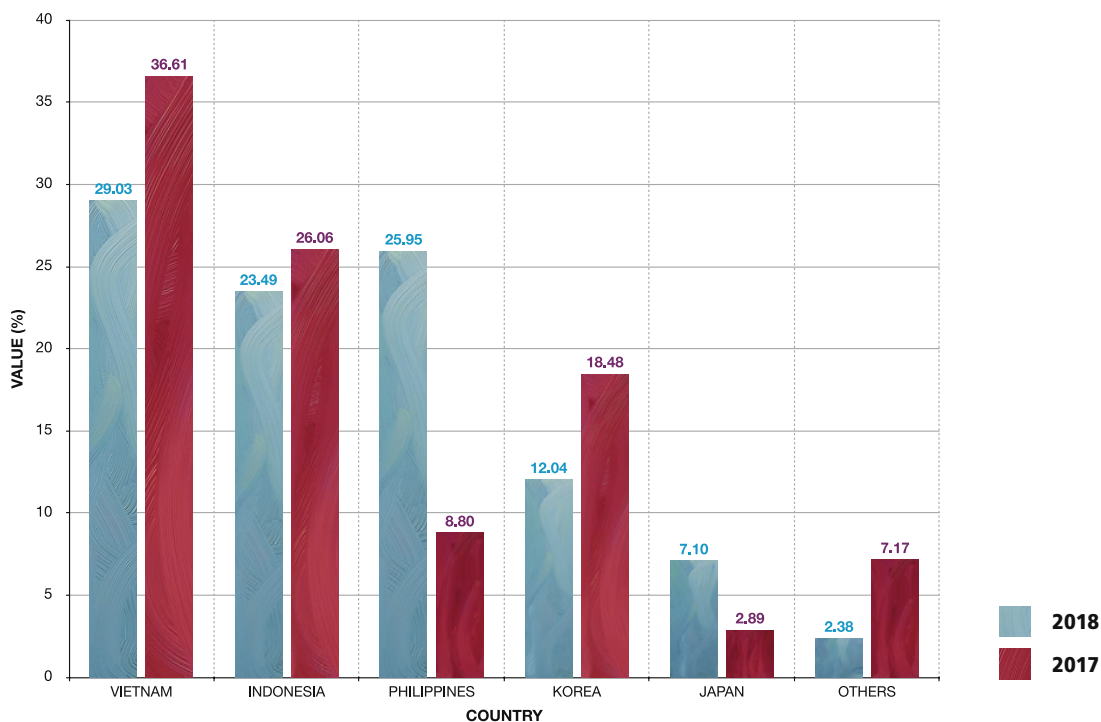
DESTINATIONS	2018 <sup>P</sup> January - September			2017 <sup>P</sup> January - September			% Change 2018 / 2017	
	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume (M <sup>3</sup> )	FOB Value (RM'000)	Value %	Volume	Value
VIETNAM	12,815	7,808	29.03	18,432	12,164	36.61	(30.47)	(35.81)
INDONESIA	10,345	6,318	23.49	13,078	8,657	26.06	(20.90)	(27.02)
PHILIPPINES	10,066	6,978	25.95	4,780	2,923	8.80	110.60	138.74
KOREA	4,869	3,239	12.04	8,649	6,141	18.48	(43.71)	(47.25)
JAPAN	2,686	1,911	7.10	1,436	959	2.89	87.03	99.30
BANGLADESH	1,006	588	2.19	1,955	1,195	3.60	(48.53)	(50.79)
NEW ZEALAND	43	29	0.11	-	-	-	100.00	100.00
OTHERS	29	23	0.08	1,857	1,187	3.57	(98.42)	(98.08)
<b>TOTAL</b>	<b>41,859</b>	<b>26,894</b>	<b>100</b>	<b>50,186</b>	<b>33,225</b>	<b>100</b>	<b>(16.59)</b>	<b>(19.06)</b>

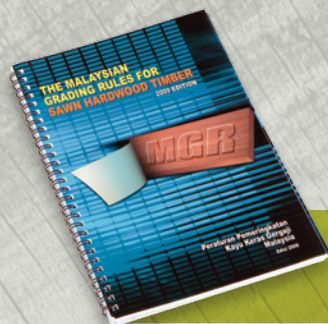
**\*OTHER DESTINATIONS:**

- BRUNEI DARUSSALAM
- CHINA
- INDIA
- MIDDLE EAST
- SINGAPORE
- SRI LANKA
- TAIWAN

**EXPORT VALUE OF PARTICLE BOARD TO MAJOR DESTINATIONS**

(RM'000) : 2018 / 2017





RM 25

The Malaysian Grading Rules For Sawn Hardwood Timber (English) (2009 Edition)

RM 25

Commercial Timber Species Of Sarawak (a set of 3)

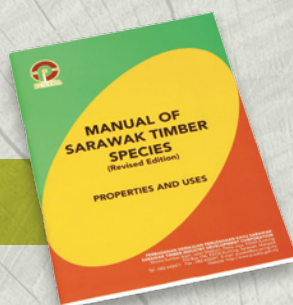


RM 20

Sarawak Timber Industry Directory (2015/2016)

RM 10

Manual Of Sarawak Timber Species (Revised Edition)



RM 5

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