

**PERHUTANAN**



**FORESTRY**

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### Nota Keterangan

1. Maklumat perhutanan dan pembalakan diperoleh daripada Jabatan Perhutanan Semenanjung Malaysia, Jabatan Perhutanan Sabah dan Jabatan Hutan Sarawak. Data dari jabatan tersebut diagregat untuk mendapatkan keluasan dan pengeluaran di peringkat Malaysia. Perincian data perhutanan mengikut kawasan juga dipersembahkan secara berasingan.
2. Pengeluaran hasil kayu utama di Semenanjung Malaysia adalah kayu balak, kayu gergaji, papan lapis, venier dan kayu kumai. Industri berasas kayu meliputi kilang papan, kilang papan lapis/venier, kilang kayu kumai dan lain-lain (kilang perabot, kilang papan blok, kilang papan serpai, kilang papan gentian sederhana padat dan kilang papan serpih).
3. Data bilangan pekerja merujuk kepada industri berasas kayu sahaja.
4. Pengeluaran kayu balak di Sarawak boleh dibahagikan kepada dua kawasan iaitu hutan bukit dan hutan paya. Kuota pengeluaran balak adalah berdasarkan kadar pengeluaran lestari seperti yang disyorkan oleh pihak *International Tropical Timber Organization (ITTO)* untuk hutan simpanan kekal.

## FORESTRY

### Explanatory Notes

1. *Statistics for forestry and logging are provided by Forestry Department Peninsular Malaysia, Sabah Forestry Department and Forests Department Sarawak. Data obtained from these departments were aggregated to derive the total area and production of logs at Malaysia level. The details on forestry by region are also presented separately.*
2. *Production of major timber products in Peninsular Malaysia are saw logs, sawn timber, plywood, veneer and moulding. Major timber industries including sawmills, plywood/veneer mills, moulding mills and others (furniture factory, block board plant, chipboard plant, medium density fibreboard plant and moulded particleboard plant).*
3. *Number of workers refer to only wood-based industries.*
4. *Log production in Sarawak can be divided into two areas, that is hill forest and swamp forest. Log production quota is based on sustainable production level as recommended by the International Tropical Timber Organization (ITTO) for permanent reserved forest.*

5. Pengeluaran kayu balak di Sabah meliputi pengeluaran hutan asli dan kayu tanaman. Industri berasas kayu di Sabah meliputi kilang papan, kilang papan lapis, kilang kayu kumai, kilang perabot, kilang papan blok, kilang papan serpai, kilang papan gentian sederhana padat dan kilang papan serpih. Penurunan pengeluaran kayu balak mulai 1989 adalah disebabkan oleh Pelaksanaan Pengurusan Hutan Berkekalan dengan pemeeterian Perjanjian Lesen Pengurusan Hutan Berkekalan (SFMLA) pada tahun 1997 dan pengurangan lesen-lesen jangka pendek secara berperingkat.

*5. Production of logs in Sabah covers natural forest and forest plantation. Major timber industries in Sabah including sawmills, plywood/veneer mills, moulding plant, furniture factory, block board plant, chipboard plant, medium density fibreboard plant and moulded particleboard plant. The decline in log production since 1989 was attributed to the implementation of Sustainable Forest Management Licence Agreement (SFMLA) in 1997 and the phasing out of short-term licences.*

**JADUAL 13.1 : PERANGKAAAN UTAMA PERHUTANAN DAN PEMBALAKAN, 1947 – 2018, MALAYSIA**Table 13.1 : *Principal Statistics of Forestry and Logging, 1947 – 2018, Malaysia*

<b>Tahun</b> <i>Year</i>	<b>Keluasan Hutan</b> <i>Forest Area</i>	<b>Pengeluaran Kayu Balak</b> <i>Production of Logs</i>	<b>Bilangan Pekerja dalam Industri Berasas Kayu</b> <i>Number of Workers in the Wood-Based Industries</i>
	<b>('000)</b> <b>Hektar/Hectare</b>	<b>('000)</b> <b>Meter Padu/Cubic Metre</b>	
1947	7,222	138	..
1948	17,136	402	299
1949	17,098	484	306
1950	16,978	452	359
1951	16,939	524	300
1952	16,937	548	174
1953	16,874	736	230
1954	16,903	1,074	7,062
1955	16,778	1,286	8,056
1956	16,450	1,524	7,828
1957	16,104	1,920	..
1958	16,061	2,308	7,282
1959	16,080	3,124	7,656
1960	15,915	4,413	8,609
1961	15,414	4,838	8,734
1962	15,263	5,103	..
1963	12,180	6,152	9,964
1964	15,065	8,405	9,842
1965	14,992	9,697	10,572
1966	14,538	12,344	..
1967	14,553	13,527	..
1968	14,428	15,213	..
1969	14,395	15,777	15,670
1970	14,369	17,791	19,477
1971	14,235	18,230	22,916
1972	13,947	20,616	27,236
1973	13,810	24,063	29,262
1974	13,679	21,371	50,171
1975	12,828	19,163	48,755
1976	12,737	26,597	58,839
1977	12,485	27,582	73,798
1978	12,276	28,684	59,406
1979	11,802	28,760	5,681
1980	11,717	27,914	16,175
1981	11,306	30,654	16,252
1982	11,200	32,823	17,159
1983	11,268	32,794	17,606
1984	11,118	31,088	18,234
1985	11,130	30,956	14,472
1986	11,192	29,172	15,366
1987	19,794	35,251	16,159
1988	19,707	36,486	19,146
1989	19,706	40,812	88,836
1990	19,618	40,100	104,118

**JADUAL 13.1 : PERANGKAAAN UTAMA PERHUTANAN DAN PEMBALAKAN, 1947 – 2018, MALAYSIA (samb.)**

Table 13.1 : Principal Statistics of Forestry and Logging, 1947 – 2018, Malaysia (cont'd)

Tahun Year	Keluasan Hutan Forest Area ( <sup>'000</sup> ) Hektar/Hectare	Pengeluaran Kayu Balak Production of Logs ( <sup>'000</sup> ) Meter Padu/Cubic Metre	Bilangan Pekerja dalam Industri Berasas Kayu Number of Workers in the Wood-Based Industries
1991	19,441	39,859	122,253
1992	19,296	43,510	129,371
1993	19,169	37,260	153,781
1994	18,974	35,671	176,332
1995	18,903	31,641	184,325
1996	18,785	30,140	194,410
1997	18,794	31,161	209,786
1998	18,702	21,672	182,454
1999	18,716	21,887	179,167
2000	18,699	23,073	168,296
2001	18,459	18,922	157,837
2002	18,411	20,649	118,303
2003	18,380	21,531	121,168
2004	18,338	22,039	133,509
2005	18,313	22,399	137,966
2006	18,304	21,740	128,349
2007	18,226	22,053	126,884
2008	18,209	20,083	137,367
2009	18,244	18,310	117,837
2010	17,930	17,805	153,639
2011	17,931	16536 <sup>r</sup>	143,927
2012	18,014	15,892	139,075
2013	18,062	14,397	170,268
2014	18,273	14,660	220,501
2015		14,221	249,862
2016	Data tahun 2015-2018 sedang di peringkat verifikasi Kementerian berkaitan	13,948	261,829
2017		12,298	271,986
2018		12,681	115,657

**Nota / Notes :**

(i) Data yang hanya meliputi Semenanjung Malaysia dan Sabah sahaja / Data which only includes Peninsular Malaysia and Sabah

- Keluasan hutan / Forest area (1947 – 1986)
- Pengeluaran kayu balak / Production of logs (1947 – 1963)

(ii) Data yang meliputi Semenanjung Malaysia sahaja / Data which includes only Peninsular Malaysia

- Bilangan pekerja dalam industri berasaskan kayu / Number of workers in wood-based industries (1947 – 1975)
- Bilangan pekerja dalam industri berasaskan kayu / Number of workers in wood-based industries (2015)

(iii) Data yang hanya meliputi Semenanjung Malaysia dan Sarawak / Data which include only Peninsular Malaysia and Sarawak

- Bilangan pekerja dalam industri berasas kayu / Number of workers in wood-based industries (1976 – 1979)

(iv) Bilangan Pekerja dalam Industri Berasas Kayu / Number of Workers in the Wood-Based Industries

- Data dari tahun 2013 hingga 2017 adalah merupakan ujuran daripada Kajian Tenaga Kerja dengan mengambilkira keseluruhan sektor perkayuan
- Data bagi tahun 2018 pula merupakan hasil Bancian Industri Perkayuan Negara 2017/2018 dan hanya mengambilkira syarikat yang menjalankan aktiviti pengilangan produk perkayuan sahaja (tidak termasuk perladangan hutan)