

**AKSELERASI TEKNOLOGI PERUNGGANAN UNTUK PEMENUHAN PANGAN HEWANI**

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# Akselerasi Teknologi Perunggasan untuk Pemenuhan Pangan Hewani

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## Peta Juara FIFA World Cup

Konsumsi daging ayam Brazil, 43 Kg/Kapita/tahun



Konsumsi daging ayam di Indonesia, 8 Kg/Kapita/tahun

Tahun	Negara Pemenang
1930	Uruguay
1934	Italy
1938	Italy
1950	Uruguay
1954	Germany
1958	Brazil
1962	Brazil
1966	England
1970	Brazil
1974	West Germany
1978	Argentina
1982	Italy
1986	Argentina
1990	Germany
1994	Brazil
1998	France
2002	Brazil
2006	Italy
2010	Spain
2014	?





## Peta Konsumsi Daging di Dunia

The most-consumed meats in countries around the world



Source WATT Poultry 2011

Source FAO 2009

CHART 3: Top producers of chicken meat

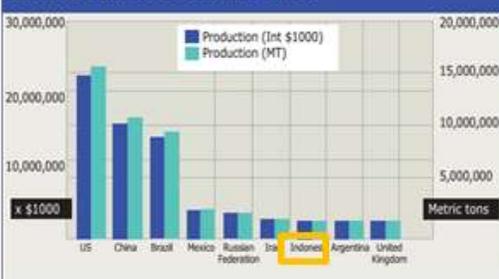
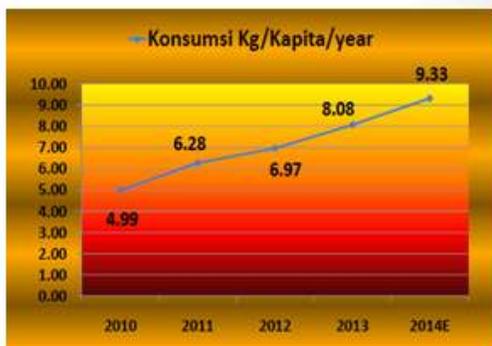


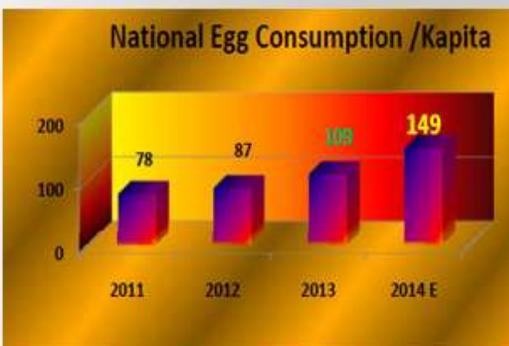
TABLE 1: World's top 10 egg producing countries

Country	Laying hens (x 1000 birds)	Eggs produced per year (x 1000)	Production weight (metric tons)
China	2536603	472672850	23633659
USA	339526	90408000	5349100
India	242000	57800000	3200000
Mexico	188000	46700000	2360300
Japan	139910	41750000	2505000
Russia	14473.9	39187500	2194500
Brazil	276005	38437700	1921890
Indonesia	238527	23550000	1059270
Ukraine	110000	15747500	913400
France	51480	15305000	918300

## Peta Konsumsi Broiler dan Telur Indonesia



Source GPRU 2013



	Indonesia	Malaysia	Thailand	Philiphina	Singapura
Broiler (Kg)	7	38.5	14	8.5	28
Telur (butir)	87	311	216	120	500

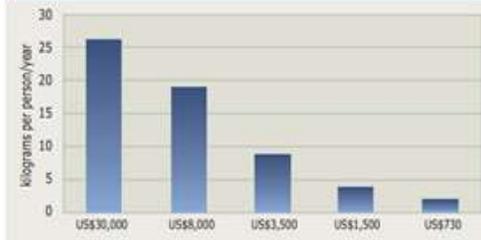
Source dari berbagai sumber



## Pertambahan income Vs pertambahan konsumsi daging

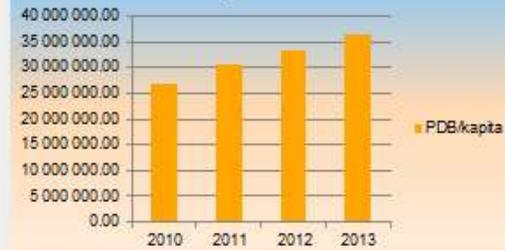
Source WATT Poultry 2011:

CHART 5: Income and chicken consumption



Source BPS

PDB/kapita Indonesia



Source BPFU 2013



## Potensi konsumsi daging Vs jumlah penduduk



**TABLE 4: Human population (x 1000) in 10 countries + EU-27, listed by projected size in 2050**

	1950	1970	1990	2010	2030	2050
India	371857	549312	860195	1220182	1505748	1658270
China	554760	830675	1149069	1351512	1458421	1408846
EU-27	—	435474	470388	499389	519942	515303
USA	152271	205052	249623	308936	363584	419854
Indonesia	79538	120532	182847	239600	279666	296885
Brazil	53975	95989	146593	196834	237738	259770
Mexico	27741	50785	83971	108396	120928	121856
Russia	102702	130392	148615	140318	123915	107832
Turkey	23484	35294	56104	76505	90806	96498
Japan	84109	104665	123611	127176	115224	95152
UK	50373	55711	57237	62309	70750	76959

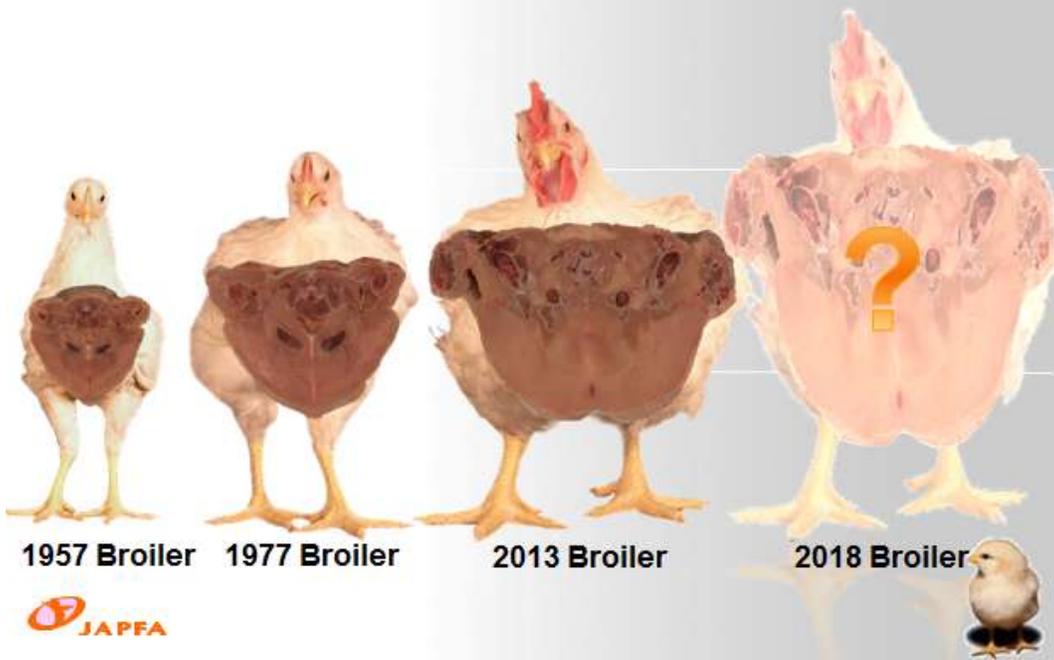
(source: OECD, from UN database)

Source BKKBN 2013. **Usia 15-64 tahun sejumlah 66%**

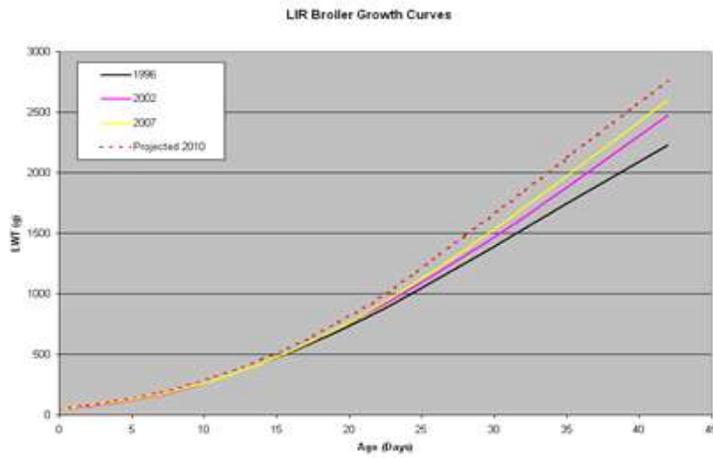
Proyeksi data statistika. Jumlah penduduk 2014 sejumlah 244.814.000 orang. Maka akan terdapat 161.577.240 orang berusia 15-64 tahun

$161.577.240 \times 9.33 \text{ Kg} = 1.507.515649 \text{ Kg}$

Source BPS. Kapasitas produksi nasional 1.479.812.000 Kg



## Perkembangan Broiler



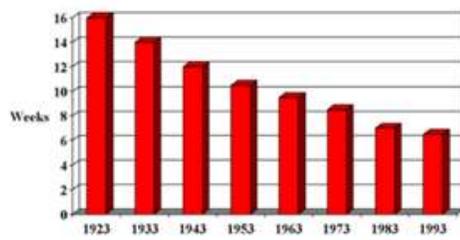
Perbaikan genetik untuk menghasilkan broiler modern yang lebih baik terus dilakukan (Diperlukan rata-rata 5 tahun untuk prosesnya)

- Pertambahan BW 50-55 gram/tahun
- FCR lebih efisien 3-3,5 point/tahun
- Prosentase daging dada bertambah 0,30-0,35% /tahun



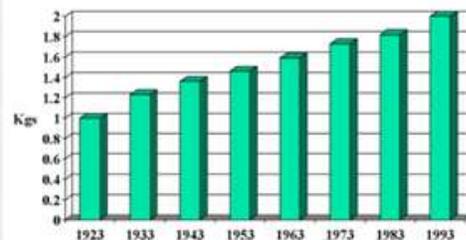
## Perkembangan Broiler

Broiler Performance (sale age)



Usia panen semakin singkat

Broiler Performance (weight)



BW dicapai diusia yang lebih muda



## Akselerasi Teknologi



Hatchery Vaccination



Value product



New baby feeder



## Akselerasi Teknologi



Open house



Closed house



## Performa



Range:

- IP 350-460
- 43,8 Kg/m<sup>2</sup>
- Density closed house 19-21 ekor/m<sup>2</sup>
- Density open house 12-15 ekor/m<sup>2</sup>

