

Education in Indonesia in facing Globalization: Challenges and Hope

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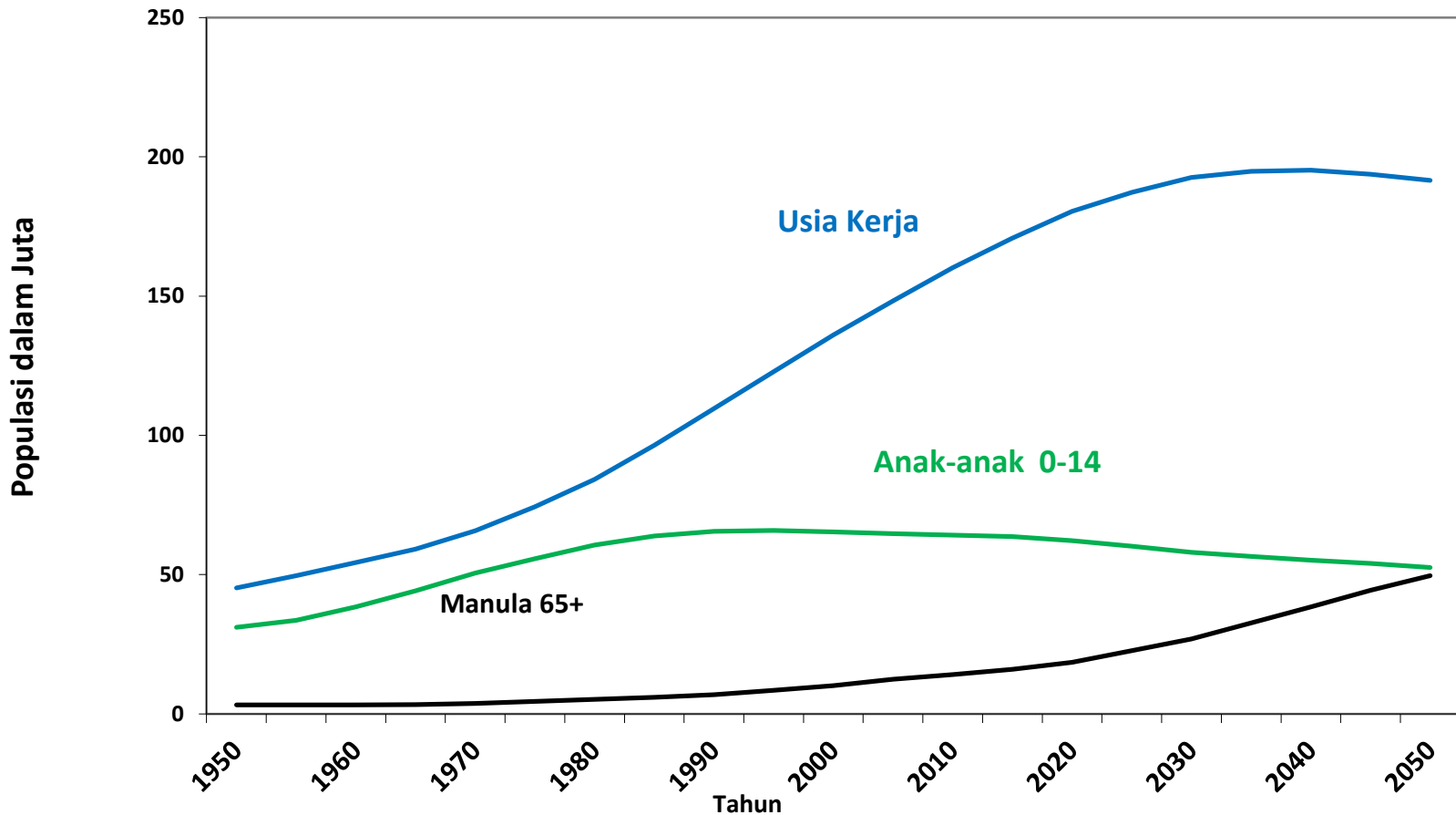
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Transisi Demografi akan menciptakan Peluang BONUS DEMOGRAFI pada 2012-2045

Tren Jumlah Anak-Anak, Usia Kerja dan Manula, Indonesia, 1950-2050





Challenges in Indonesian

- Internal challenges
 - Curriculum
 - National Examination
 - Teachers' quality
 - Policies are often overlap between national and regional
- PISA result
- English Education
- Job Market

CURRICULUM

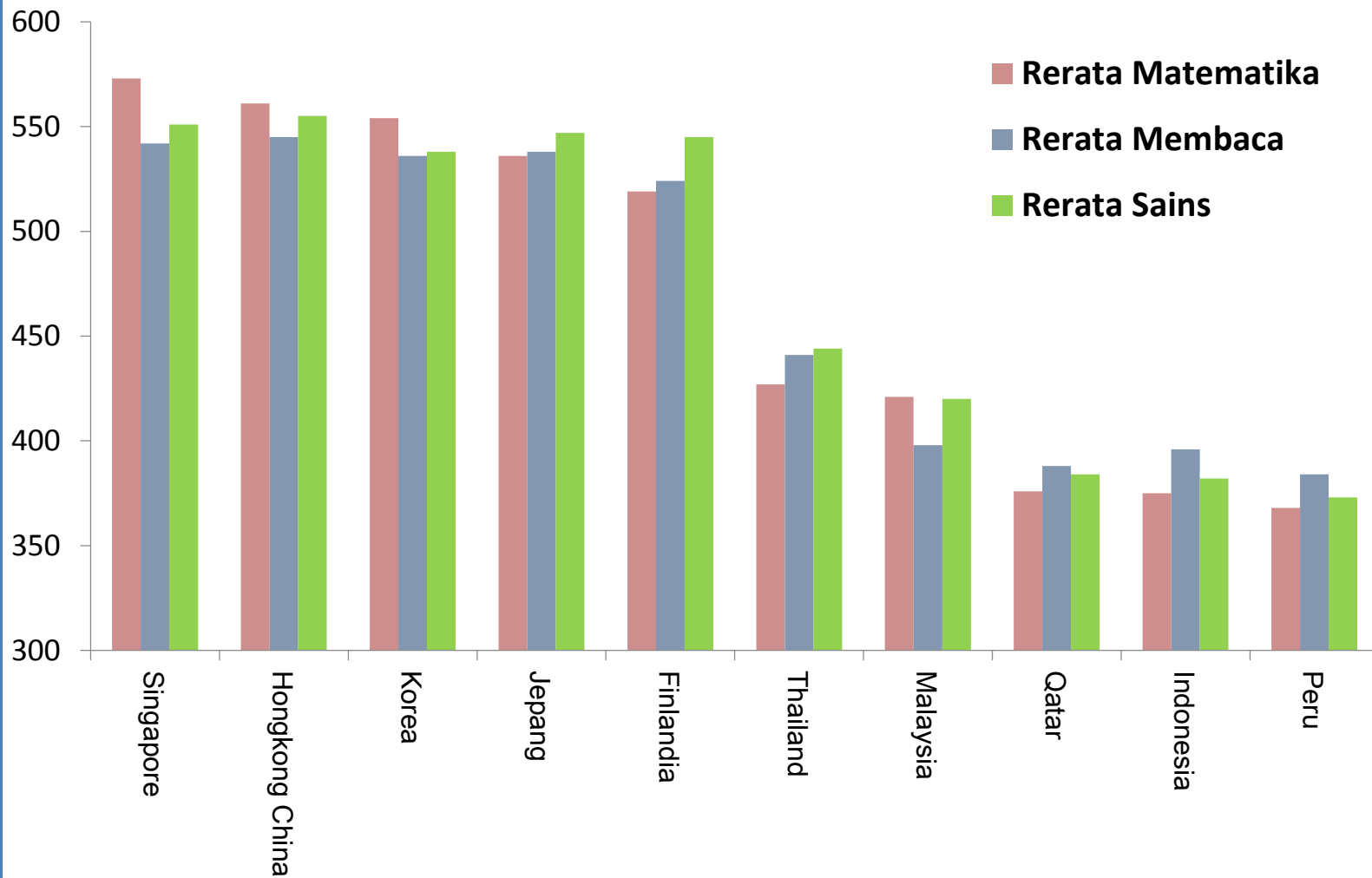
National EXAMINATION

TEACHERS' QUALITY

POLICIES

INTERNATIONAL EVALUATION RESULT

Hasil Indonesia PISA 2012, peringkat 63 dari 64 negara



Peringkat didasarkan pada Matematika, Sains dan Membaca pada usia 15 - PISA 2015

12 teratas

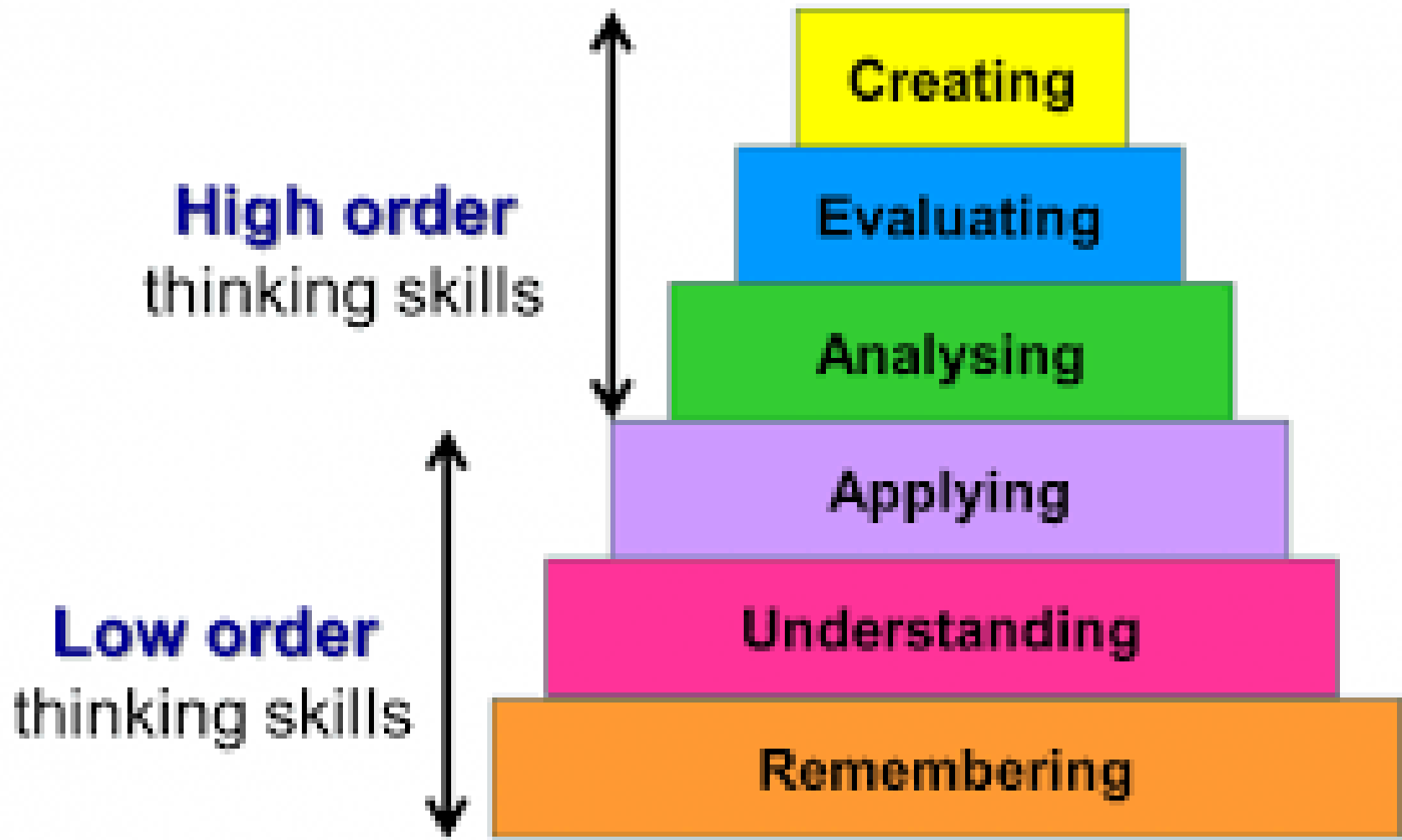
1. Singapura
2. Hong Kong
3. Korea Selatan
4. Jepang
5. Taiwan
6. Finlandia
7. Estonia
8. Swiss
9. Belanda
10. Canada
11. Polandia
12. Vietnam

12 terbawah

65. Macadonia
66. Saudi Arabia
67. Colombia
68. Qatar
69. Indonesia
70. Botsawa
71. Peru
72. Omman
73. Marocco
74. Honduras
75. South Africa
76. Ghana

How is that going to happen?

Country	Average score across Reading, Mathematics and Science (OECD average=500)	Average annual progress in points per year across the three domains	Years to move from country average to 500 at current average pace	Progress in points per year to reach 500 in 25 years	Acceleration to reach learning goal of average PISA of 500 in 25 years
Average (of these countries)	404	0.9	91	3.8	2.9
Peru	375	2.5	50	5.0	2.5
Indonesia	384	0.4	317	4.6	4.3
Colombia	393	1.9	55	4.3	2.4
Tunisia	397	3.0	35	4.1	1.1
Argentina	397	0.7	155	4.1	3.5
Jordan	398	-0.7	Forever	4.1	4.8
Brazil	402	2.5	39	3.9	1.4
Uruguay	412	-1.8	Forever	3.5	5.3
Malaysia	413	-0.3	Forever	3.5	3.8
Mexico	417	1.7	49	3.3	1.6
Costa Rica	426	-0.9	Forever	3.0	3.9
Thailand	437	2.0	31	2.5	0.5



English Education

JOB MARKET



Sebagian jenis pekerjaan hari ini akan hilang 10 tahun mendatang



35% ketrampilan dasar akan berubah pada 2020.

2 milyar pekerjaan terancam hilang karena otomasi pada dasawarsa mendatang



Migrasi Tenaga Kerja Terampil Antar Negara - ASEAN

6,8 juta

14,0 juta

2013

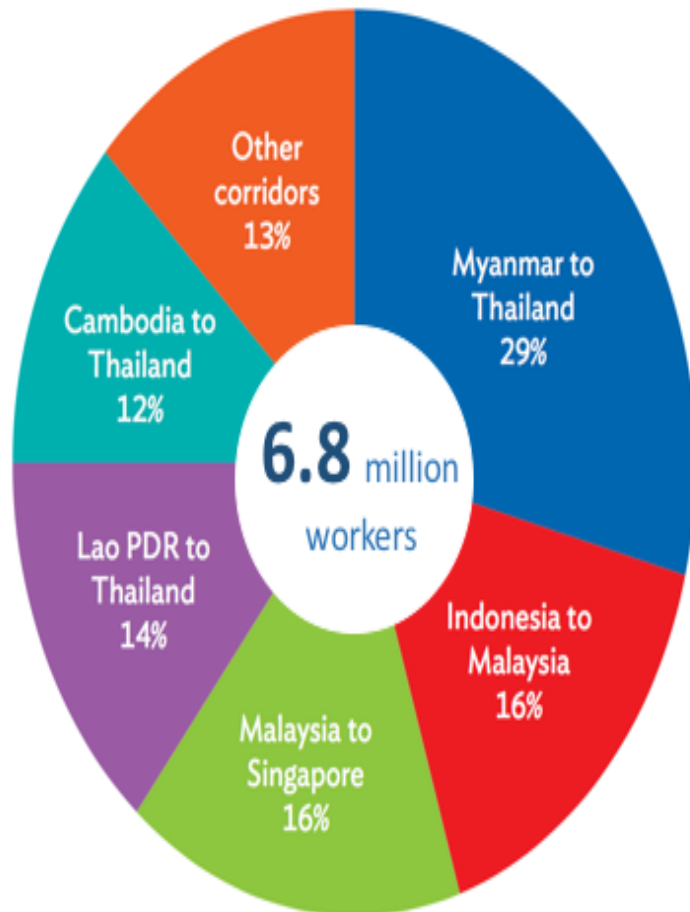
2025



Migrasi Tenaga Kerja Intra-ASEAN



Mobilitas tenaga kerja antar negara ASEAN Tahun 2014



Sumber: Guntur Sugiyarto and Dorelyn Rannveig Agunias, *A Freer Flow of Skilled Labour within ASEAN: Aspirations, Opportunities and Challenges in 2015 and Beyond* (Bangkok and Washington, DC: International Organization for Migration and Migration Policy Institute)..

Jumlah tenaga kerja asing yang bekerja di Indonesia Tahun 2014

Negara Asal	Jumlah
China	16,382
Japan	10,838
South Korea	8,172
India	4,981
Malaysia	4,022
Philippines	2,670
Australia	2,664
USA	2,658
Great Britain	2,227
Thailand	1,002
Nega lainnya	13,200
Total	68,792

Sumber: Kementerian Tenaga Kerja dan Transmigrasi

Pasar Tenaga Kerja di ASEAN



**ASEAN
Economic
Community**

PROFESI

- dokter medis
- dokter gigi
- perawat
- arsitek
- insinyur
- akuntan
- surveyor
- pekerja pariwisata

SEKTOR

- Kesehatan
- Pariwisata
- Jasa logistik
- Jasa online
- Jasa angkutan udara
- Produk berbasis agro
- Barang barang elektronik
- Perikanan
- Produk berbasis karet
- Tekstil dan pakaian
- Automotif
- Produk berbasis kayu

Perlu reformasi
Pendidikan dari *supply-
driven* ke *demand-driven*





At
GOVERNMENT
Level

- Policies
- implementation

At SCHOOL
Level

- **Equipping Teachers with 21st Century Core Skills**
- Improving the quality of Teachers Professional Development

What are those 21st Century Core Skills

The core skills

- Critical thinking and problem solving
- Collaboration and communication
- Creativity and imagination
- Citizenship
- Digital literacy
- Student leadership and personal development

Those core skills cannot reach the students before the teachers can perform them.

Those core skills are not taught separately. They embedded through the content of the curriculum and teaching learning process.

School – based Professional Development

Let's Join hands more closely
preparing Indonesian young
people for their better lives