INDEX

A B access and equity, 10, 133, 153 Bandung Institute of Technology, ECED services, 90 181n, 183n, 185, 188, 190, 192, 193 financing system, 50, 81, 117 Bangladesh, 47, 231 gender, 4 BAN-PT poverty, 4, 10, 24–5, 34, 90, 117, see National Accreditation Agency 133, 168, 174-6 for Universities schools, 3, 4, 12, 24, 34n, 81, 117 BAN-S/M tertiary sector, 168, 174-6 see National Accreditation Board underfunding of madrasah, 12, for Schools and Madrasah 73-4, 81 agriculture, 3, 9, 139, 236 see National Development Airlangga University, 190, 195 Planning Agency Bidik Misi program, 175 Algeria, 231 ASEAN, 161, 162 **BKKBN** Asian financial crisis, 27–8, 109, 141, see National Family Planning 170, 220, 236 Coordination Agency Association of Indonesian Physicians (IDI), 174 see vocational training, informal Association of Private Universities, centres BLT 177 AusAID, 77, 192 see Direct Cash Assistance Australia, 10, 17, 96, 192, 199, 218, 219, Board of National Education 220, 221, 232, 233 Standards (BSNP), 90 Australian National University, BOS see Schools Operational Assistance 181, 191 degree programs in Malaysia, 230 scheme; government expenditure/ Flinders University, 224 funding, BOS grants program; HECS scheme, 176, 212, 213 financial resources, Schools Australian National University, 181, Operational Assistance scheme 191 Botswana, 189, 231 Brazil, 115 Australian Universities Quality Agency (AUQA), 227 Brunei, 231 **BSNP** see Board of National Education Standards

C	DID
California Master Plan for Higher	see Regional Incentive Fund
Education, 186	Direct Cash Assistance (BLT), 147n
Cambodia, 47, 112, 141, 163, 167, 169	Dual Education System (PSG), 263
Canada, 10, 64, 65, 85, 96, 186, 204, 221, 233	E
Chemical Analyst Vocational Schools (SMAK), 263	Early Childhood Education and Development (ECED) project,
childcare centres see early childhood sector,	85–106 child ability tasks, 99–100
childcare centres (TPA) Chile, 10, 46, 212	development domains, 94, 95 developmental vulnerability, 95–6,
China, 3, 4, 161, 162, 163, 169n, 172, 186, 203, 229, 230, 231, 232, 233,	97 Dimensional Change Card Sort
246	(DCCS) task, 98–9
Chinese Taipei, 46	drawing tasks, 101–2
civil service, 7, 8, 131–2, 161, 196	Early Development Instrument
see also teachers, civil service status	(EDI), 94–5, 96
compulsory education, 15, 24, 26, 30,	early impacts, 103–6
33, 48, 49, 70, 79 Constitution, 6, 45, 49, 164	evaluation of initial impact, 90–103 language skills, 102–3, 104, 105
Constitution, 6, 43, 49, 104 Constitutional Court, 9, 74, 171, 176,	mothers' assessments, 100–101
178	Strengths and Difficulties
corruption, 7, 8, 129, 131–2, 173	Questionnaire (SDQ), 97-8
costs	early childhood sector, 12-13, 82-106
see expenditure; financial resources	census, 90
CPA Australia, 227	childcare centres (TPA), 88, 89
curriculum	developmental outcomes, 83, 105
Competency Based, 58-9, 60, 65	ECED posts (Pos PAUD), 88, 89
Islamic schools, 69	enrolments, 91, 103-4
Local Content, 58, 59	government expenditure, 114, 115
secondary education, 262, 263, 264	health service units, 87, 88
schools, 263	Islamic kindergartens (RA/TPQ),
tertiary, 264	88, 89
Czech Republic, 233	kindergartens (TK), 87, 88, 89, 104 national standards, 89, 90
D	playgroups (KB), 86, 87, 88, 89, 104 policies, 89–90
DCCS	private sector, 13, 85, 87, 88
see Early Childhood Education and	rates of return on expenditure, 12,
Development project, Dimensional	13, 82, 83, 86, 115
Change Card Sort task	rural areas, 90-103
decentralization, 15, 16, 34, 35, 57–8,	services, 87-9
59, 69, 73, 109, 110, 117	services by intended age group, 89
changes to architecture, 80	services by ministry, 88
effect on corruption, 131	toddler family groups, 87, 88, 89
effect on district budgets, 117, 121,	East Timor, 167
145 effect on teachers, 59, 60, 121	economy, 9, 139
effect on teachers, 59–60, 121	export sector, 244, 246, 247-9
governance at local level, 126–33 Local Content Curriculum, 58, 59	growth, 5, 109, 139, 141, 178, 189, 212, 236, 237

human resources, 3, 223 imports, 246 international competitiveness, 13, 237	expenditure family, 4, 24 household, 112 private, tertiary education sector,
productivity, 3, 5, 237 EDI see Early Childhood Education and Development project, Early Development Instrument	121, 162, 164, 165, 167, 178 see also financial resources; government expenditure EYE see Education for Youth
Education for Youth Employment (EYE), 259, 265	Employment
Education Quality Assurance Institute (LPMP), 151-2	F
educational attainment, 18–23, 41–5, 83, 250 number of years of schooling, 18, 20, 21, 162 provincial comparisons, 20, 21, 42, 44 teachers, 37–41, 42, 49, 144, 157	Fahmina Institute of Islamic Studies, 184, 187, 188, 189, 190, 192, 193, 194, 195, 199 vision, 196, 198 farmers, 3, 42 assistance from Nusa Cendana University, 197 females
see also learning outcomes Egypt, 232, 233 employers see industry; labour market	access to education, 48, 68 completion rates, 31 early childhood sector, 104, 105,
employment, 3, 174, 195, 198, 236–7, 246, 249–50, 253, 259, 261 school-to-work transition programs, 262, 265 teachers, 37, 56, 124, 132, 153 unemployment, 174, 249, 251, 256, 259	106 enrolment rates, 26, 83 graduate earnings and repayment burden, 208, 209, 210 illiteracy rates, 21 teachers, 37, 41, 155 years of schooling, 18–20
England, 10, 46, 212, 219 see also United Kingdom	financial resources, 6, 7, 45–8, 109–36, 203–5
enrolments, 23–6, 36, 57 age-specific rate, 24–5 by gender, 26 gross enrolment rate (GER), 3, 4, 23, 24, 139, 140, 142, 143, 163 junior secondary, 24, 26, 36 Malaysian universities, 221, 222, 229, 230, 231 net enrolment rate (NER), 23, 24, 26 primary, 2, 23, 24, 26, 36, 57, 83, 142, 143 secondary, 3, 4, 24, 26, 36, 57, 142, 143 senior secondary, 24, 25, 26, 36 tertiary, 9, 10–11, 26, 163, 168 equity of access	early childhood sector, 114, 115 efficient use, 50, 58, 126, 129, 130, 134–5, 164 Islamic schools, 68, 70, 71, 72, 74, 75 loan systems, 10, 103–13 Malaysian tertiary sector, 219, 220–21, 228, 232 national education financing system, 75, 81 parental contribution, 61 primary education, 112, 113, 114 Regional Incentive Fund (DID), 134–5 Schools Operational Assistance (BOS) scheme, 70, 72, 74, 75, 76, 79, 116, 126, 132, 133, 135
see access and equity	secondary education, 6, 112, 113, 114, 115, 116

tertiary education, 9–10, 114, 115, 116, 162, 167, 175–6 university twinning partnerships, 219 see also expenditure; government expenditure; student loan schemes Finland, 46, 64, 142 Flinders University, 224 France, 233 fuel subsidies, 175, 178 funding see financial resources	provincial and district budgets, 47–8, 80, 127–8 relationship with education outcomes, 127–9 secondary education, 6, 112, 113, 114, 115, 116 sector of education, 114 teacher certification, 124–5, 127, 133, 147 tertiary education sector, 114, 115, 116, 162, 164, 167, 175–6, 178, 189 20 per cent rule, 6, 111, 115, 164 Grand Design for Basic Education, 70, 71, 70
G Gadjah Mada University, 177, 181n, 185	71, 79 grants local school, 135 universities, 171, 186, 189, 190, 194
GDP, 9, 119, 139, 236, 246 education budget proportion, 110, 111, 112, 113, 164, 178 growth, 236 per capita, 112, 113, 141, 203 by sector, 140 gender equity, 4, 18, 19, 20, 21, 26, 31, 48, 68 Germany, 206, 233 Ghana, 9 Golkar, 57 governance schools, 58, 126, 153 universities, 165, 169–71, 181, 182n, 185, 195 governance at local level, 110, 126–33 indicators of quality, 129–30 management systems, 130–31 government expenditure/funding, 5–6, 9, 45–8, 74, 109–10, 110–17, 133 basic education, local and central government proportions, 127 BOS grants program, 116, 132, 133,	H Harvard University, 190 HELP University, 224 higher education see tertiary education; tertiary education institutions, study; universities higher education loan scheme, 206–13 income-contingent loans (ICLs), 10, 179, 205, 212–13 mortgage-type loans, 10, 204, 206, 210, 212 history of improvements, 15 Honduras, 141 Hong Kong, 46, 164 Human Development Index, 27 Hungary, 10, 46, 212 I ICL
correlation with learning outcomes, 7, 127–8 international comparisons, 47, 115 local government, 47–8, 80, 127–8, 194–5 Malaysia, 9, 47, 112, 115, 232 non-basic education, 115, 125 primary education, 112, 113, 114 proportion of government budget, 110, 111, 112, 113, 116n, 124, 164, 178	see higher education loan scheme, income-contingent loans IDI see Association of Indonesian Physicians illiteracy, 2–3, 21–3, 48 provincial comparisons, 22–3 India, 3, 4, 47, 141, 161, 231, 233 Indonesian Teachers Union (PGRI), 57 industry sector, 139, 140, 142, 197, 198, 200, 236, 246, 253–4, 256, 257, 259 input to education and training, 260, 261, 262, 263, 264

inequality see access and equity; gender equity Inpres SD see Presidential Primary School program international comparisons, 161 early childhood, 12, 96 education systems, 64–5 government expenditure, 9, 47,	Jordan, 231, 233 junior secondary education, 3, 24, 29 demand for, 34 graduates to senior secondary, 27, 29 number of schools, 32 retention and transition rates, 26, 27, 30, 31, 49, 83 see also teachers
filin, 112 government expenditure, tertiary sector, 164 gross enrolment rates, 143 middle-income trap, 141–2 primary education, 5, 6 student performance, 5, 45, 45n, 46, 83, 85, 117–19, 142, 143, 169, 250 student repayment burden, 206 teachers' salaries, 6, 145 teachers/teaching, 64–5 university staff qualifications, 169 universities, 186 years of schooling, 162–3 international students, 11, 167, 217, 219, 221–4	K Kazakhstan, 231 KB see early childhood sector, playgroups kindergartens see early childhood sector, Islamic kindergartens (TPQ); early childhood sector, kindergartens (TK) KKG see Primary School Teachers Working Group KPP see Para Professional Course
INTI University, 224 Iran, 46, 239	L
Iraq, 230, 231 Ireland, 142 Islamic kindergartens, 88, 89 Islamic scholars, 192, 198 Islamic schools (madrasah), 11–12, 33, 68–81 accreditation, 70, 71, 71n, 72, 73, 73n, 76–7, 77, 78–9, 79 administration, 12 curriculum, 69, 79 funding, 68, 70, 71, 74, 75, 80 number, 68, 70, 77 number of students, 68 quality, 12, 68, 80 registration, 72, 73, 78 self-evaluation, 73 Italy, 46	labour market, 13, 236–65 changes in workplace organization, 244–5 constraints affecting skill matching, 262 employers' perceptions of quality of graduates, 252, 253 employers' perceptions of skills, 241–6, 251 exporters, 247, 248, 260 future needs, 246 managerial/professional and skilled workers, 241, 242, 243, 245, 247, 248, 260 manufacturing sector, 245, 246, 247, 250, 251, 256, 260, 263, 264 non-education services sector, 245, 247
Japan, 46, 47, 64, 65, 163, 164, 233 jobs see employment; labour market; workforce	services sector, 246, 247, 250, 251, 253, 256, 260 skill acquisition, 240–41, 261 skills in demand, 241–4, 246, 259 skill gaps, 246–51, 261 skill matching, 262, 264

skill measurement, 260–61 young people, 174, 249, 259, 261 see also employment; workforce Lao PDR, 47, 112 Laos, 164 learning outcomes, 5, 7, 18–23, 41, 41–5, 117–20 effect of local government expenditure, 127–30, 135 effect of teacher absence, 154 effect of teacher quality, 123–6 effect of teacher supply, 134 international comparisons, 5, 45, 46, 83, 85, 117–19, 142, 143, 169 mathematics, 5, 41, 42, 43, 44, 45, 46, 83, 117–19, 120, 122 national examination results, 42,	Mahidol University, 169 Malaysia, 5, 6, 47, 119, 162, 163, 176 affirmative action in favour of Malays, 218 cost of attending university, 219-20 double/joint degrees, 224 foreign degree programs, 230 foreign ownership, 224 foreign universities, branch campuses, 11, 223-4 funding of universities, 219, 220- 21, 228, 232 government expenditure, 9, 47, 112, 115 Indonesian students, 230, 231 international students, 11, 167, 217,
43–4, 48 parental factors, 42, 45 reading skills, 5, 45, 45n, 83, 119, 120 school-level factors, 42, 45 science, 42, 43, 45, 46, 83, 119 see also educational attainment legal issues, 9, 70, 74, 171, 176, 178	219, 221–4, 226, 229–32 internationalization of higher education, 216–34 Internationalization Policy for Higher Education, 229 language of instruction, private universities, 11, 220, 230, 231, 234 Merdeka University, 218
see also legislation legislation Anti Subversion Law, 56 draft law on higher education, 10, 171, 176-8 Law 14/2005 on Teachers and Lecturers, 38, 41, 49, 144, 146, 148, 150, 157 Law 20/2003 on the National Education System, 6, 23n, 45, 47, 70, 74, 90, 126, 135 Law 22/1999 on Regional Government, 58 Law 25/1999 on the Fiscal Balance between the Central Government and the Regions, 58 Malaysia, 225	Ministry of Higher Education, 225, 226, 227 New Economic Policy, 218, 229 number of students studying abroad, 223n number of universities, 223, 232 private education sector, 216, 218, 220, 228, 230 quality of higher education, 119, 172, 226–9 regulatory environment, 225–6 students studying abroad, 167, 232, 233 teachers' salaries, 145 tertiary education sector, 10–11, 163, 164, 168, 174n, 176, 216–34 Universities and University
Libya, 231 lifelong learning, 239, 260, 261, 265 LPMP see Education Quality Assurance Institute	Colleges Act 1971, 218 university courses, 221, 227 university enrolments, 221, 222, 229 university twinning partnerships,
M madrasah see Islamic schools	168, 217–21, 227, 228, 232 upgrading private colleges into university colleges, 223 Malaysian Qualifications Agency (MQA), 225, 226, 227

Maldives, 231 males completion rates, 31 enrolment rates, 26 graduate earnings, 208, 209, 210 illiteracy rates, 21 teachers, 37, 41 years of schooling, 18–20 Manado State University, 185 Mexico, 112, 115 MGMP see Secondary School Subjects Teachers Working Group middle-income trap, 141–2, 203 Millenium Development Goals, 70 Ministry of Education and Culture, 7, 17, 18, 34, 37, 50, 54, 57, 60, 65, 68, 71, 72, 73, 74, 75, 80, 81, 87, 89, 131, 133, 148, 262 Center for Education Data and Statistics, 16, 32 strategic plan 2004–09, 90 tertiary education sector, 160, 161, 162, 175, 176, 177 Ministry of Finance, 72, 73, 76 Ministry of Home Affairs, 72, 73, 76, 87 Ministry of Manpower and Transmigration, 260 Ministry of Religious Affairs, 12, 18, 50, 68, 69, 70, 72, 73, 74, 75, 76, 79, 80, 81, 87, 148, 160 strategic plan, 71, 71n, 76–7, 78 tertiary education sector, 160, 166, 175 Mongolia, 169 Morocco, 46, 233 mortality rates, 83 Mozambique, 141 MQA	National Accreditation Agency for Universities (BAN-PT), 172–3 National Accreditation Board for Schools and Madrasah (BAN-S/M), 69, 71, 78–9, 80 function, 71 National Coordination Forum for Education for All, 50 National Development Planning Agency (Bappenas), 16, 76 national education standards, 73, 73n, 90, 126 national education system history, 55–7, 65 integration of Islamic schools, 12, 68–81 Law 20/2003, 6, 23n, 45, 47, 70, 74, 90, 126, 135 prospects for full integration, 79–81 National Family Planning Coordination Agency (BKKBN), 87 National Labour Force Survey (Sakernas), 207 national qualification framework, 241, 260, 261, 265 National Socio-Economic Survey (Susenas), 12, 16, 17, 90, 92, 206, 249n National University of Singapore, 169 nationalism, 56, 57 New Order era, 57 New Zealand, 10, 46, 212, 233 Nigeria, 231 Norway, 112 Nusa Cendana University, 184, 185, 187, 188, 189, 190, 192, 194, 195, 196, 199 vision, 196
see Malaysian Qualifications	O
Agency Mulawarman University, 185 Muslim students, 230 Myanmar, 47, 141 N	OECD, 163, 170, 261 Oman, 231 Omega Schools, 9 Open University, 49, 163, 173 overseas students see international students
Nanyang Technological University, 169	P
Nanyang University, 217–18	Padjadjaran University, 175 Pakistan, 141, 231, 233

Palestine, 231 Pancasila, 56, 56n	principals of schools, 8, 58, 130, 133, 152, 153, 155, 156
Papua, 153, 154–5	private sector
*	*
Para Professional Course (KPP), 259, 265	early childhood services, 13, 85,
	87, 88
PGRI	expenditure on education, 112
see Indonesian Teachers Union	Islamic schools, 68–9, 70, 71, 74, 76,
Petronas, 221	77, 81
Philippines, 6, 10, 47, 112, 115, 145,	Malaysia, 216–34
162, 163, 164, 204	philanthropy, 176
PISA	quality, 9, 32, 34, 265
see Programme for International	scholarships, 176
Student Assessment	schools, 8-9, 17, 32, 34, 38, 39, 42,
playgroups	68, 74
see early childhood sector,	student performance, 42
playgroups (KB)	teacher training providers, 49
Podes	teachers, 38–9, 146
see Village Potential surveys	tertiary education, 160, 161, 163,
Poland, 233	165, 166–7, 170, 173, 174, 175, 177,
policy implications, 133–6, 260–65	178, 181, 189, 190, 198, 199, 216–34,
	256, 264, 265
political stability, 55, 56, 65	
population, education data, 6, 18–23,	tertiary graduates, remuneration,
25, 26, 30, 31, 139–40, 162, 163	146-7
Pos PAUD	vocational training, 263
see early childhood sector, ECED	productivity, 3, 5, 237
posts	professional societies, 174, 227
poverty, 4, 5, 9, 10, 11, 12, 15, 21–2, 26,	Programme for International Student
27, 30, 31, 49, 68, 80, 83, 105, 106,	Assessment (PISA), 5, 45, 83, 85
129, 154, 168	Programme for the International
access to education, 4, 10, 24–5, 34,	Assessment of Adult
90, 117, 133, 168, 174-6	Competencies, 261
decline, 109, 141	PSG
learning outcomes, 117-19, 120	see Dual Education System
higher education loan repayment	·
burden, 212, 213	Q
tertiary education, 174-6, 178-9,	-
193-4	Qatar, 46
Preliminary Achievement Index, 175	quality, 2, 5, 6, 7, 13, 49, 58, 61, 110,
Presidential Primary School (Inpres	117, 120, 121–2, 126, 132, 133, 134,
SD) program, 8, 33	135, 136, 142, 144, 261
primary education, 2–9	education and training, 240, 250,
incomplete, 2, 30, 162	251–60, 261
	effect of increased government
government expenditure, 112, 113, 114	expenditure, 117-20
	local governance, 129-33
graduation from year 6, 2, 27, 28	madrasah, 12, 68, 73
rate of return on investment, 2, 4	Malaysia, 226–9
retention rates, 3, 26, 27–8	non-formal education, 256, 259–60,
transition rates, 26–7, 28, 49, 83	265
universal enrolment, 2, 57, 161	private sector, 9, 32, 34, 265
Primary School Teachers Working	schools, 4, 5, 8, 9, 32, 34, 71, 126,
Group (KKG), 151	136

secondary education, 3, 34, 252–3, 261 secondary graduates, 252, 253, 256 tertiary graduates, 253, 256 teachers and teaching, 7, 8, 15, 32, 34, 37–41, 49, 55–6, 57, 58, 59, 61, 64, 65, 110, 123–6, 132, 133, 144–57, 261 universities, 161, 162, 164, 166–7, 171–4, 187, 195, 196, 200, 203, 219, 224, 225, 226–9 R RA see early childhood sector, Islamic kindergartens rates of return on government investment in education early childhood sector, 12, 13, 82–3, 86, 115 primary education, 2, 4 vocational secondary schools, 256 Regional Incentive Fund (DID), 134–5 religious education, 69, 79 remote areas, 6, 7, 11, 30, 34, 37, 68, 150–51 teacher absenteeism, 154 Romania, 233 rural areas, 3, 18, 20, 21–2, 34, 37, 83, 84 early childhood services, 90–103 urban comparisons, 18, 20, 21, 37, 83, 84, 155 Russia, 46 Russian Federation, 233 S Sakernas see National Labour Force Survey Saudi Arabia, 46, 231, 233 scholarships, 30, 176, 179, 193, 232 school committees, 8, 58, 132–3, 157	infrastructure, 5, 7, 8, 156 Islamic, 11–12, 33, 68–81 junior secondary, 32, 33 links with industry, 263 local school grants, 135 management, 8, 58, 58n, 132–3, 136, 156 primary, 5, 15, 23, 32, 33 private, 8–9, 17, 32, 34, 39, 42, 68, 74 private madrasah, 68–9, 70, 71, 74, 76, 77, 81 private vocational, 263 registration, 72, 78 secondary, 8, 32, 33, 34, 253, 254, 255 senior secondary, 32, 33–4 staffing standards, 134 supply, 32–4 vocational, 253–5, 256, 262, 263 see also primary education; private sector; secondary education; teachers secondary education, 2–9 completion rates, 30, 162, 168 demand for, 34 employers' perception of quality of graduates, 252 enrolments, 3, 4, 24, 35 government expenditure, 6, 112, 113, 114, 115, 116 graduates, 252, 263–4 priorities, 262–3 quality, 252–3, 261, 262–4 retention rates, 27, 30, 83 see also junior secondary education; schools; senior secondary education; teachers Working Group (MGMP), 151 senior secondary education, 24, 25 government expenditure, 114, 115, 116
Sakernas see National Labour Force Survey Saudi Arabia, 46, 231, 233	secondary education; teachers Secondary School Subjects Teachers Working Group (MGMP), 151 senior secondary education, 24, 25
school committees, 8, 58, 132–3, 157 School Self-Evaluation, 73–4 Schools Operational Assistance scheme (BOS), 70, 72, 74, 75, 76, 79, 116, 126–7, 132, 133, 135 schools	116 number of schools, 32 see also teachers Singapore, 5, 6, 9, 12, 45, 46, 64, 65, 119, 164, 169, 217, 231, 233 skill sets, 239, 240
accountability mechanisms, 135–6 accreditation, 69, 70, 71, 71n, 72, 73, 73n, 76–7 curriculum development, 263	see also labour market; workforce SMAK see Chemical Analyst Vocational Schools

Social Science Citation Index, 172	certification process, 148-9
socio-economic status, 4, 5, 12, 13,	civil servant status, 8, 34n, 50, 54,
24-5, 27, 30, 45, 119, 120, 129, 168,	55, 62, 63, 66, 76, 117, 124, 132, 145,
175, 179	155, 157
see also poverty	competency (testing), 7, 123, 124,
Somalia, 231	133, 148, 149, 149n, 150, 157
South Korea, 4, 5, 6, 10, 45, 46, 47, 115,	deployment, 37, 134
119, 142, 163, 164, 212, 231, 233	by education sector, 35
Sri Lanka, 231	educational attainment, 37–41, 42,
SDQ	49, 144, 157
see Early Childhood Education and	expenditure on, 121–3
Development project, Strengths	evaluation, 8, 66
and Difficulties Questionnaire	gender, 37, 41
student	honorary, 34
scholarships, 176, 179	intergovernmental resource
subsidies, 4, 175, 176	transfer system, 7, 132, 134
student loan schemes, 176, 179, 203-13	oversupply, 7, 134, 145
repayment burden, 204, 205-6,	private schools, 38, 39, 146
207, 208, 211, 210	professional allowance, 123, 124n,
student performance	133, 146, 157
international comparisons, 5, 45,	professional development, 8, 41,
45n, 46, 83, 85, 117–19, 142, 143,	61, 66, 136, 145
169, 250	professional working groups,
public/private comparison, 42	151-2
students, international, 167	provincial comparisons, 39-41
student-teacher ratios, 7, 35-6, 121-2,	quality, 5, 37–41, 123–6, 132,
125–6, 134	144–52
subsidies	recertification, 133–4
government, 178	recruitment, 7, 34, 50, 55, 121, 131,
schools, 30	132, 133, 134, 145
students, 4, 175, 176	remote area allowances, 6, 146,
Sudan, 231	150–51, 155, 156, 157
Suharto, President, 33, 57, 177	retraining channel, 148, 149
Susenas	
see National Socio-Economic	salaries, 6, 8, 47, 48, 50, 63, 116–17,
	121, 125–6, 127, 134, 145, 146, 149,
Survey	157
Sweden, 46	short-term contract (guru kontrak),
Syria, 233	34, 54
Tr.	supply, 7, 34–7
T	unequal distribution, 134
Taiwan, 6, 45, 233	vocational schools, 262, 263
Tanzania, 231	working hours, 37, 49
tax system, 213	see also teacher training
teacher training, 53–66, 197	teaching
	culture of, 61–3, 65
emergency programs, 55–6	modes of, 7-8, 53-4
pre-service and in-service, 49, 61,	multigrade, 134
66, 145	need to strengthen, 262
providers, 49	student-centred, 53, 54, 59, 60
teachers, 34–41, 139–57	technology, 144, 150, 199, 244, 246,
absenteeism, 5, 7, 8, 62, 152–6, 157	263, 264
certification, 6–7, 47, 116, 123–6,	transfer, 181, 256, 264, 264
127, 133, 134, 146–7, 148–50, 156–7	

Telekom Malaysia, 221 Tenaga Nasional, 221 tertiary education, 160–79 autonomy, 10–11	Trends in International Mathematics and Science Study (TIMSS), 5, 41, 45, 46, 117, 119, 142, 143
completion, 193	U
design, 11 enrolments, 3, 160, 162–3, 168 foreign students, 11, 165, 167 funding, 115, 162, 167, 175–6	unemployment, 174, 249, 251, 256, 259 United Kingdom, 45, 47, 190, 218, 221, 230, 230, 231, 232, 233
government expenditure, 114, 115, 116, 164	Association of Chartered Certified Accountants (ACCA), 227 degree programs in Malaysia, 223,
graduate earnings, 206, 207–9 graduates, average remuneration, 146	230 Law Society, 227
gross enrolment rate, 163–4, 168 institutions by type, 165 internationalization, 162, 165, 167,	Quality Assurance Association for Higher Education (QAA), 227 see also England; universities, British
171, 216- language of instruction, 11	United Nations Children's Fund (UNICEF), 90n
loan schemes, 10, 176, 203–13 Malaysia, 216–34 priorities, 264–5	United States, 10, 46, 47, 165, 186, 190, 204, 206, 221, 228, 230, 233
private sector, 11, 160, 161, 163, 166–7, 170, 173, 174, 175, 177, 178,	degree programs in Malaysia, 230 Harvard University, 190
181, 189, 190, 198, 199, 256, 264–5 provincial differences, 168	Laureat group, 224 Universiti Sains Malaysia (USM), 234
scholarships, 168 see also universities	universities, 11, 160–79 academic mobility, 170
tertiary education institutions, study, 180–200	academic publications, 172, 188 academic quality, 171–4, 178, 196
alternative framework for high- quality small TEIs, 200	accreditation, 172–4, 225, 226 autonomy, 161, 165, 176–8, 196
institutions studied, 184	British, 190, 218, 223 business units, 194
methodology and limitations, 183-5 see also tertiary education;	competitive grants, 171, 189, 190 cost of attending, 206, 219–20
universities	dropout rate, 175
Thailand, 3, 4, 5, 6, 10, 46, 47, 112, 115, 119, 145, 162, 163, 164, 169, 204,	employees' perceptions of main weaknesses, 258
206, 231 TIMSS	employers' perceptions of main strengths, 2578
see Trends in International	endowment funds, 190
Mathematics and Science Study	expenditure per student, 188
TK	funding, 114, 116, 167, 178, 181, 188-91, 192, 194-5
see early childhood sector, kindergartens	governance, 169-71
TPA	graduate quality, 253
see early childhood sector,	industry links, 197, 198, 256, 261, 264
childcare centres	influence on policy making, 198–9
TPQ see early childhood sector, Islamic kindergartens	international ranking, 161, 169, 171, 180, 180n, 181, 185–6

international students, 167 Islamic, 167	USM see Universiti Sains Malaysia
leadership, 195–6 local community relevance, 191, 196–7, 197–9 low-cost courses, 167 Malaysian, 216–34 number of, 160, 165 peer review work, 171 plagiarism, 173n Preliminary Achievement Index, 175 private, 10, 11, 160, 161, 163, 165, 166–7, 169, 170, 171, 173, 174, 175, 176, 177, 185, 194, 199 public/private partnerships, 189 research contracts, 189–90, 194 research grants, 171, 186, 189, 190, 194 research-intensive, 11, 161, 170, 199 resource constraints, 181, 186, 188–91, 195 scholarships, 193, 199 small/regional, 11, 181, 182, 186, 187–97 staff qualifications, 169, 191, 192, 219, 226 staff recruitment, 177, 187–8 staff salaries, 169–70, 171, 187–8, 226 staff seniority, 170 state, 163, 166, 167, 169, 170 students, 61, 187, 193, 232 study programs, 10, 177 tuition fees, 183, 183n, 190–91, 192, 194, 204, 230 twinning arrangements, 168, 217–22 world-class, 180–82, 185–6, 234 see also Malaysia; name of university; tertiary education; tertiary education institutions, study university graduates, earnings, 206, 207–9 provincial comparisons, 208, 209, 210, 215 University of Indonesia, 181, 181n, 185, 189, 190, 194 urban/rural comparisons, 18, 20, 21,	V Vietnam, 9, 112, 164, 169, 203, 106 Village Potential (Podes) surveys, 16, 18, 32, 87 vocational training, 253–5, 256, 260, 262, 264, 265 informal centres (BLK), 265 on-the-job training/experience, 240, 241, 242, 243, 252, 256–60 W Wiraraja University, 184, 187, 188, 189, 190, 192, 193, 194, 195 vision, 195, 196 workforce educational levels, 5, 6, 161 skills mismatch, 236–65 skills required in local economies, 198 teaching, 7 young adults, 5, 6, 249, 260, 261, 265 young children, 2, 24 see also labour market Y Yemen, 230, 231, 233 Yudhoyono administration, 162 Z Zimbabwe, 231
37, 83, 84, 155	