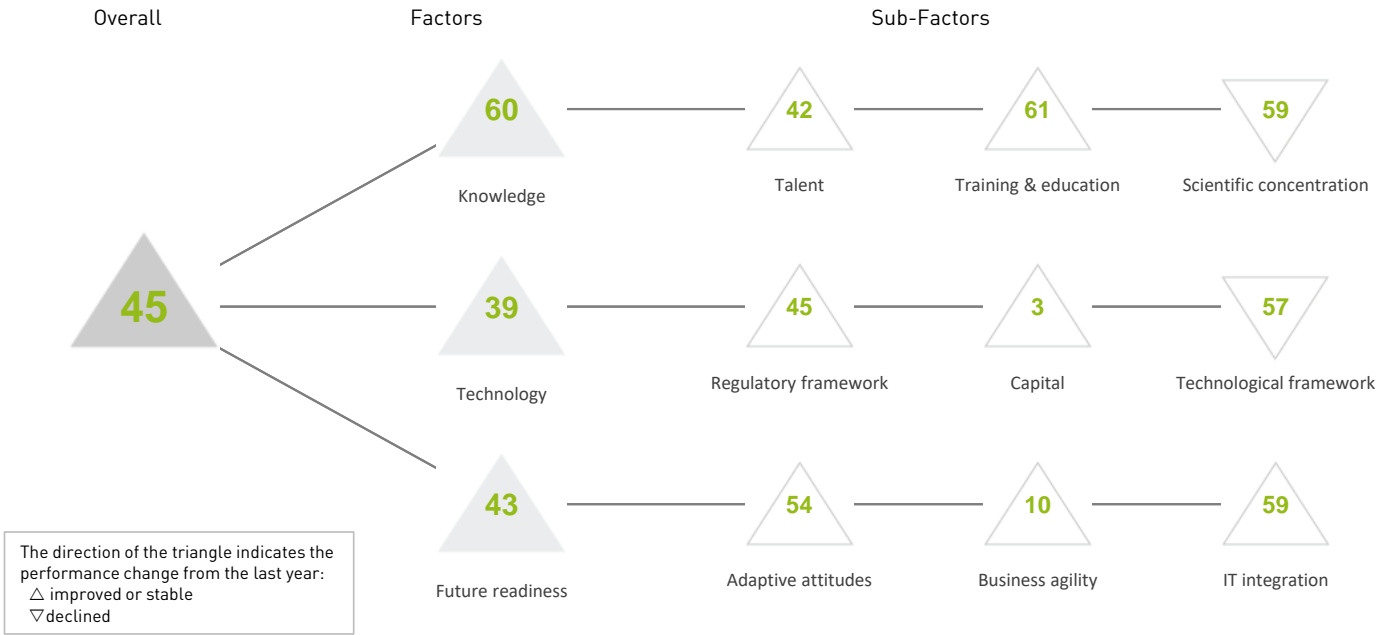


INDONESIA

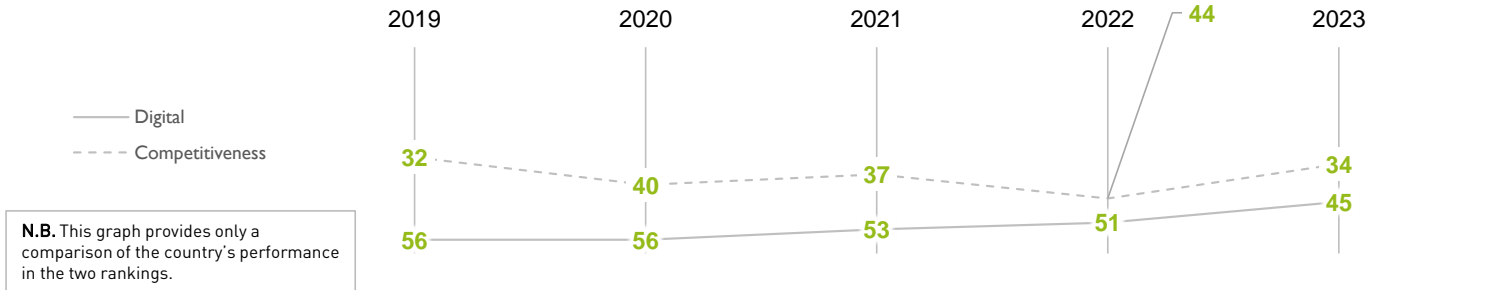
OVERALL PERFORMANCE (64 countries)



OVERALL & FACTORS - 5 years

	2019	2020	2021	2022	2023
OVERALL	56	56	53	51	45
Knowledge	56	63	60	60	60
Technology	47	54	49	45	39
Future readiness	58	48	48	52	43

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

ASIA - PACIFIC (14 countries)



POPULATIONS > 20 MILLION (27 countries)



INDONESIA

► Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	42	43	48	45	42
Training & education	61	63	64	62	61
Scientific concentration	52	51	44	54	59

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	55	Employee training	14	Total expenditure on R&D (%)	56
International experience	24	Total public expenditure on education	55	Total R&D personnel per capita	57
Foreign highly skilled personnel	16	Higher education achievement	59	Female researchers	18
Management of cities	30	Pupil-teacher ratio (tertiary education)	57	► R&D productivity by publication	04
Digital/Technological skills	33	Graduates in Sciences	45	▷ Scientific and technical employment	60
Net flow of international students	42	Women with degrees	57	▷ High-tech patent grants	61
				Robots in Education and R&D	44

TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	51	51	50	49	45
Capital	26	41	25	18	03
Technological framework	56	55	55	56	57

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	60	IT & media stock market capitalization	13	Communications technology	47
Enforcing contracts	58	Funding for technological development	21	Mobile broadband subscribers	45
Immigration laws	20	► Banking and financial services	05	Wireless broadband	46
Development & application of tech.	22	Country credit rating	47	▷ Internet users	60
Scientific research legislation	38	► Venture capital	05	▷ Internet bandwidth speed	62
Intellectual property rights	41	► Investment in Telecommunications	02	High-tech exports (%)	49

FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	60	58	57	55	54
Business agility	21	24	26	22	10
IT integration	60	60	60	60	59

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	34	Opportunities and threats	24	E-Government	56
Internet retailing	46	World robots distribution	27	Public-private partnerships	16
Tablet possession	58	Agility of companies	18	Cyber security	34
Smartphone possession	49	Use of big data and analytics	15	▷ Software piracy	61
Attitudes toward globalization	15	Knowledge transfer	23	Government cyber security capacity	59
		► Entrepreneurial fear of failure	03	Privacy protection by law content	58