

İşu Strategişi Brogrami Tika Tahlun Tantangan dan 2020 mendasi

Suwanto Raharjo

Latar Belakang

Tata Kelola SPBE

Inisiatif Strategis	Keluaran	Target Waktu
Pembangunan Arsitektur SPBE	Sistem Informasi Arsitektur SPBE	2018 - 2021
	Arsitektur SPBE Nasional	2018 - 2020
	Arsitektur SPBE Instansi Pusat	2020 - 2021
	Arsitektur SPBE Pemerintah Daerah	2020 - 2021
Pembentukan dan Penguatan Kapasitas Tim Koordinasi SPBE	Tim Koordinasi SPBE Nasional	2018 - 2019
	Tim Koordinasi SPBE Instansi Pusat	2018 - 2019
	Tim Koordinasi SPBE Pemerintah Daerah	2018 - 2019
Penguatan Kebijakan	Kebijakan Makro	2020 - 2024
	Kebijakan Meso	2018 - 2019
	Kebijakan Mikro	2019 - 2025
Evaluasi Penerapan Kebijakan SPBE	Evaluasi SPBE Nasional	2018 - 2025
	Evaluasi SPBE Instansi Pusat dan Pemerintah Daerah	2018 - 2025
	Audit TIK	2018 - 2025

PERATURAN PRESIDEN REPUBLIK INDONESIA

NOMOR 95 TAHUN 2018

TENTANG

SISTEM PEMERINTAHAN BERBASIS ELEKTRONIK

Latar Belakang

Making
Indonesia
4.0



Home / Money / Work Smart

Menkominfo: 2030, Indonesia Akan Kekurangan 9 Juta Talenta Digital

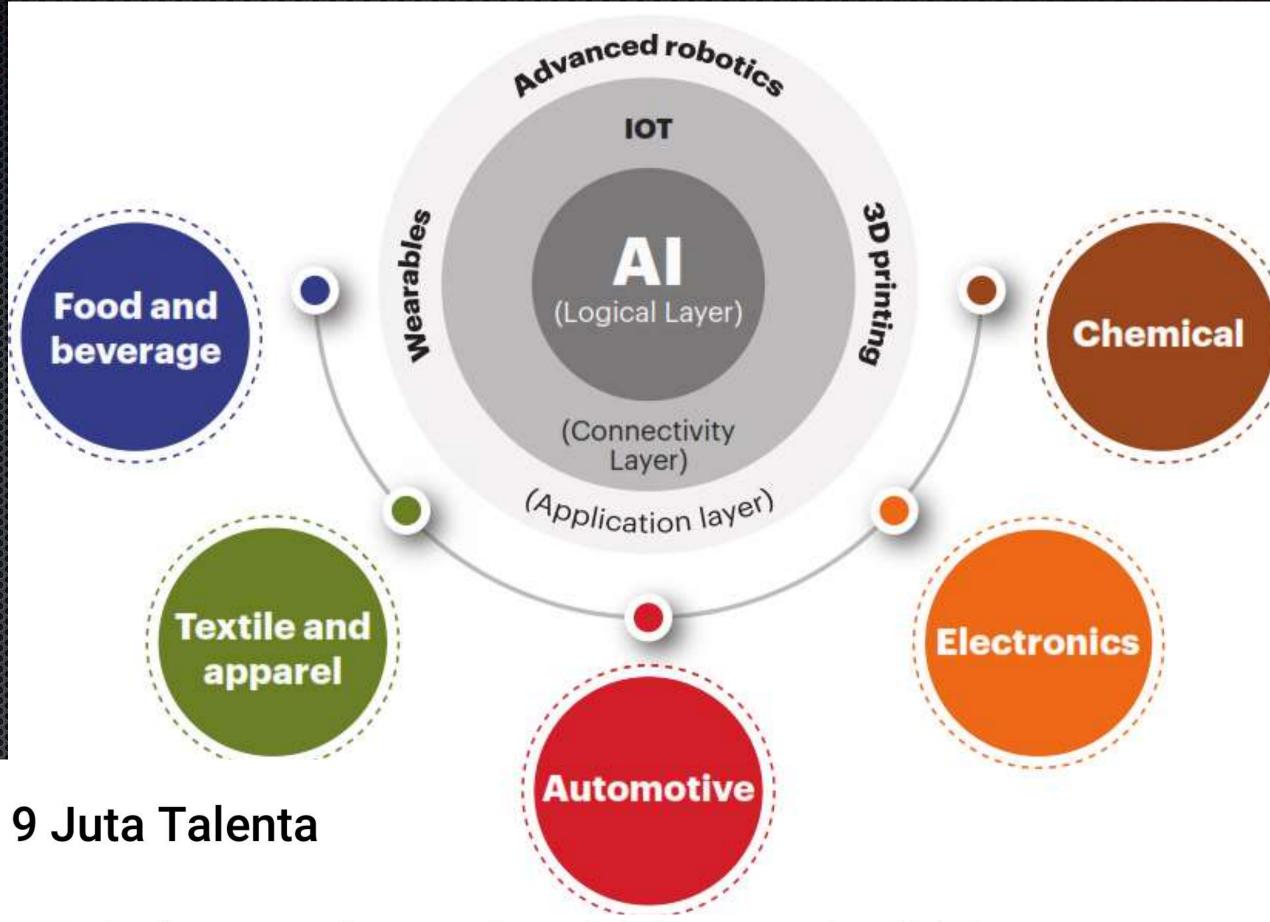
Kompas.com - 28/10/2019, 17:21 WIB

Ini Tantangan Nadiem Sebagai Mendikbud di Era Digital

Penulis: Desy Setyowati

② 24/10/2019, 10.09 WIB

Wawasan pelajar Indonesia terkait ekonomi digital dinilai masih rendah.



Infrastruktur dan Talenta Jadi Tantangan Tranformasi Digital di Indonesia

Proses transformasi digital selalu akan berhadapan dengan berbagai macam tantangan.



Rahmad Fauzan - Bisnis.com 31 Oktober 2019 | 19:07 WIB

Techonology Trends

Top 10 Strategic Technology Trends for 2020

People-centric



Hyperautomation



Smart spaces



Empowered Edge



Distributed Cloud



Democratization



Human Augmentation



Transparency and Traceability



Autonomous Things



Practical Blockchain



Al Security

gartner.com/SmarterWithGartner

Top 10 Digital Transformation Trends For 2020

- 5G for You and Me
- A faster WiFi for a faster world
- Analytics are the Competitive Advantage
- Al and Machine Learning become force multipliers for data analytics
- Blockchain moves beyond Crypto:
- RPA (Robotic Process Automation)catches a second wind:
- Conversational Al becomes a legitimate interface:
- Connected vehicles, autonomous drones and Smart Cities become our new reality
- XaaS (Everything-as-a-Service), UX/CX, and privacy



The top 7 digital transformation trends shaping 2020

Connecting the consumer experience

Data-driven business

Artificial intelligence and machine learning

Multi-cloud computing

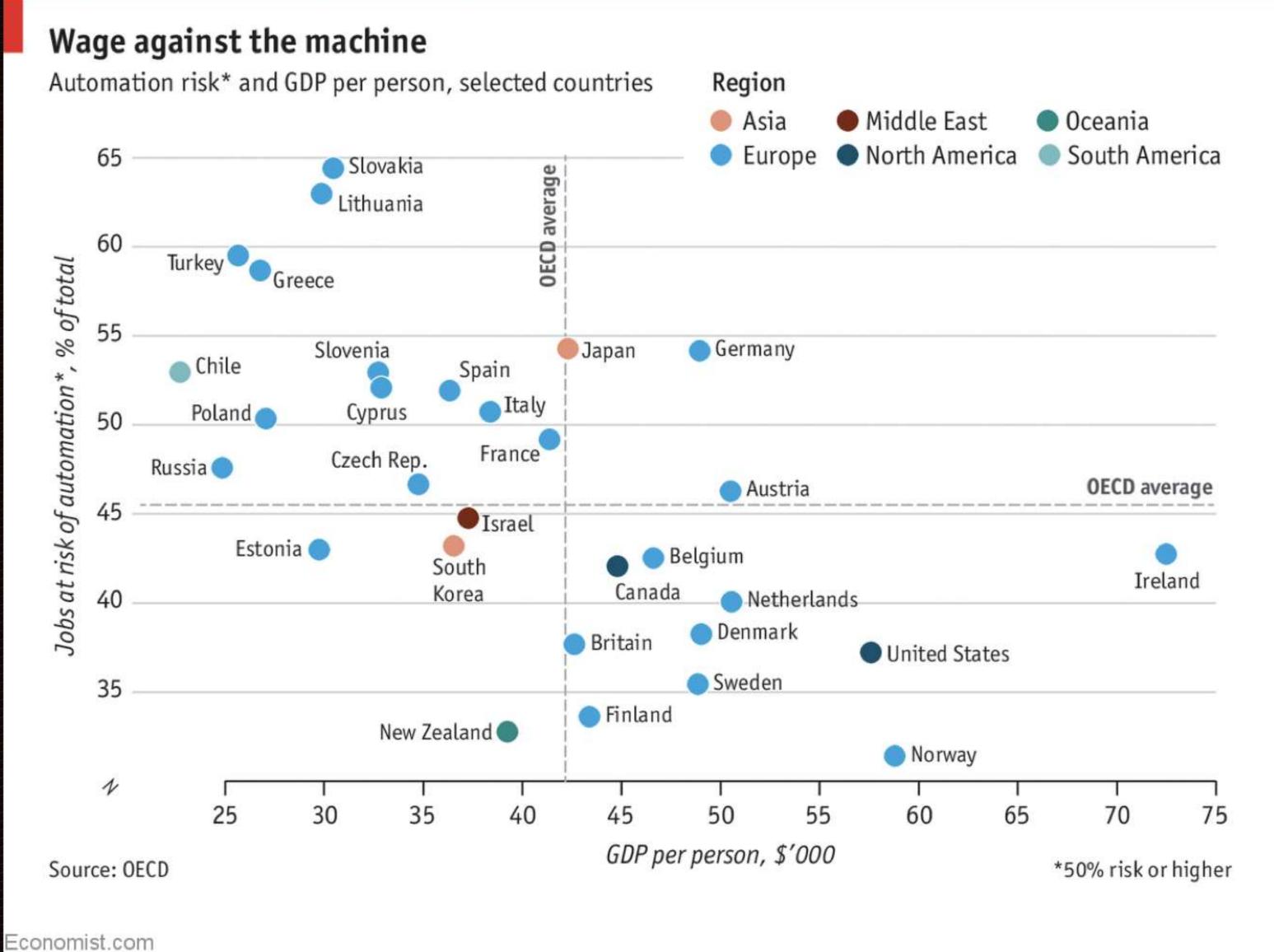
Partnering with IT to turbocharge the business

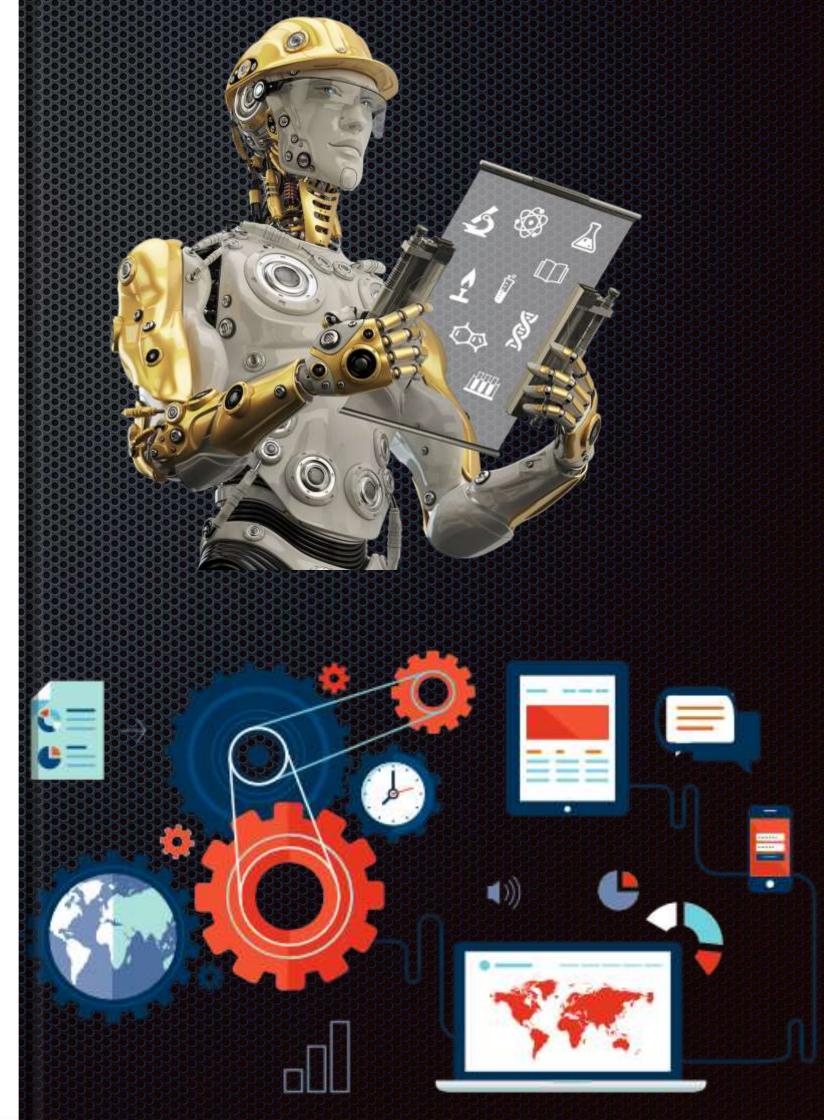
Co-creating value with external stakeholders



https://www.zdnet.com/article/top-7-digital-transformation-trends-shaping-2020/

automation





A Minute on the Internet in 2019

Estimated data created on the internet in one minute



statista 🗹

2,527,497,067

2,625,519,943

on YouTube

in 1 second

Videos viewed today

Google searches today

2,409,030

Blog posts written today

30,690,738

Photos uploaded today on Instagram

281,844,574 Tweets sent today

95,930,315,499

Emails sent today

Volume

Variety

Velocity



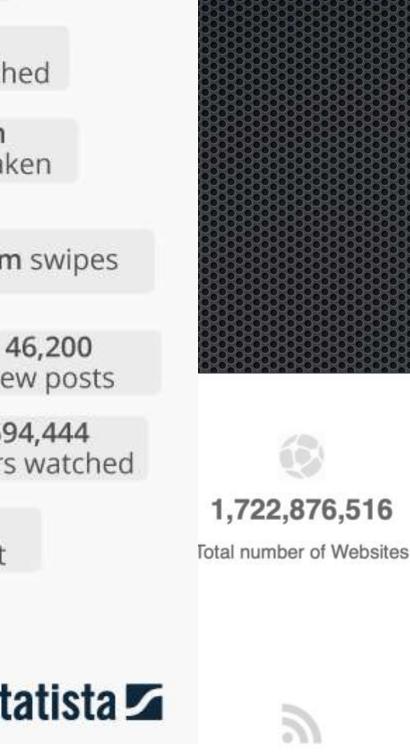
51,887,707

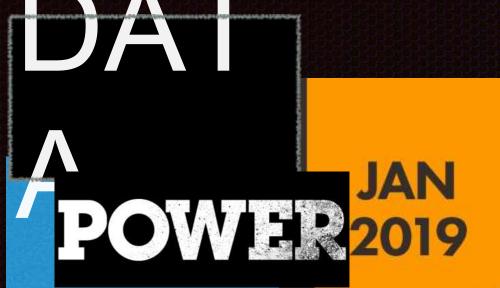
Tumblr posts today

(c) (i) (=)

https://www.internetlivestats.com

(22 - Okt - 2019)





SOCIAL MEDIA OVERVIEW

BASED ON MONTHLY ACTIVE USERS OF THE MOST ACTIVE SOCIAL MEDIA PLATFORMS



ACTIVE SOCIAL MEDIA
USERS AS A PERCENTAGE
OF TOTAL POPULATION

TOTAL NUMBER OF ACTIVE SOCIAL USERS ACCESSING VIA MOBILE DEVICES

ACTIVE MOBILE SOCIAL USERS AS A PERCENTAGE OF THE TOTAL POPULATION





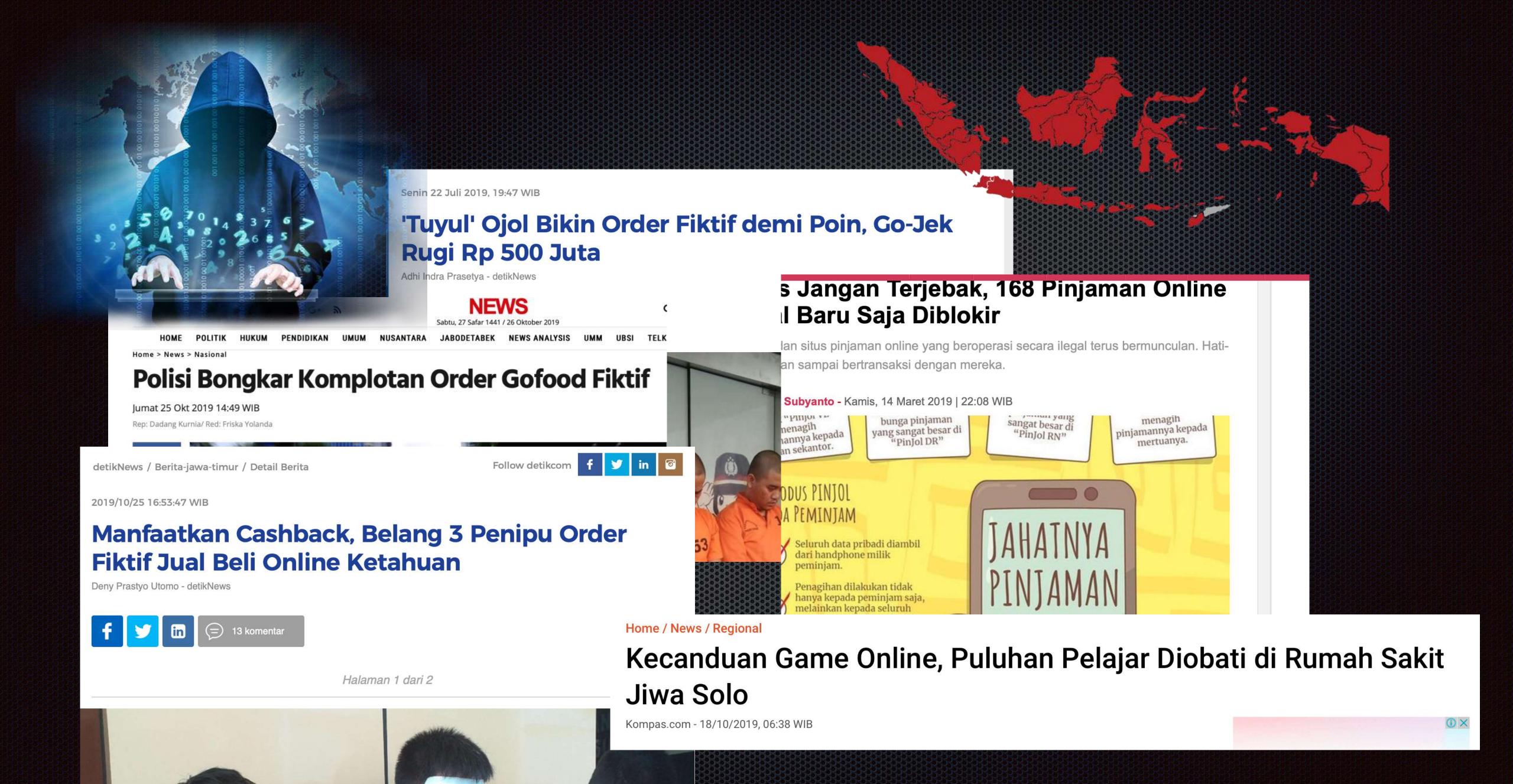


150.0 MILLION 56%

130.0 MILLION 48%



Hootsuite we are.





erungkap Penyalahgunaan Data ependudukan untuk Registrasi SIM ard Prabayar, Begini Cara Operasinya

Penipuan Online, Kejahatan Siber yang Paling Banyak Dilaporkan

Direktorat Tindak Pidana Siber (Dittipidsiber) Bareskrim Polri menerima 3.130 laporan kasus kejahatan siber sepanjang Januari-Juli 2019. Laporan soal penipuan online paling mendominasi, yakni sebanyak 1.243 kasus. Selain itu, masyarakat melaporkan kejahatan siber berupa penyebaran konten provokatif (1.136 kasus), pornografi (198 kasus), akses ilegal (153 kasus), dan peretasan sistem elektronik (126 kasus). Kejahatan siber ini dibedakan menjadi dua kelompok, yaitu computer crime (komputer sebagai alat utama) dan computer-related crime (komputer sebagai alat bantu). Dari total kasus kejahatan siber yang dilaporkan, sebanyak 441 kasus diterima melalui situs Patroli Siber. Ratusan kasus ini telah menimbulkan kerugian sebesar Rp 363,9 juta. (Baca: Berapa Kerugian yang Ditimbulkan Kejahatan Dunia Maya?)



f ♥ ② G+ ৯

Saturday, 19 Rabiul Awwal 1441 / 16 November 2019

HOME POLITIK HUKUM PENDIDIKAN UMUM NUSANTARA JABODETABEK NEWS ANALYSIS UMM UBSI

Home > News > Nasional

Penipuan Lewat Instagram, Polres Bogor Langsung Tangani

KEUANGAN / FINTECH

Rep: ayobandung.com/ Red: ayobandung.com

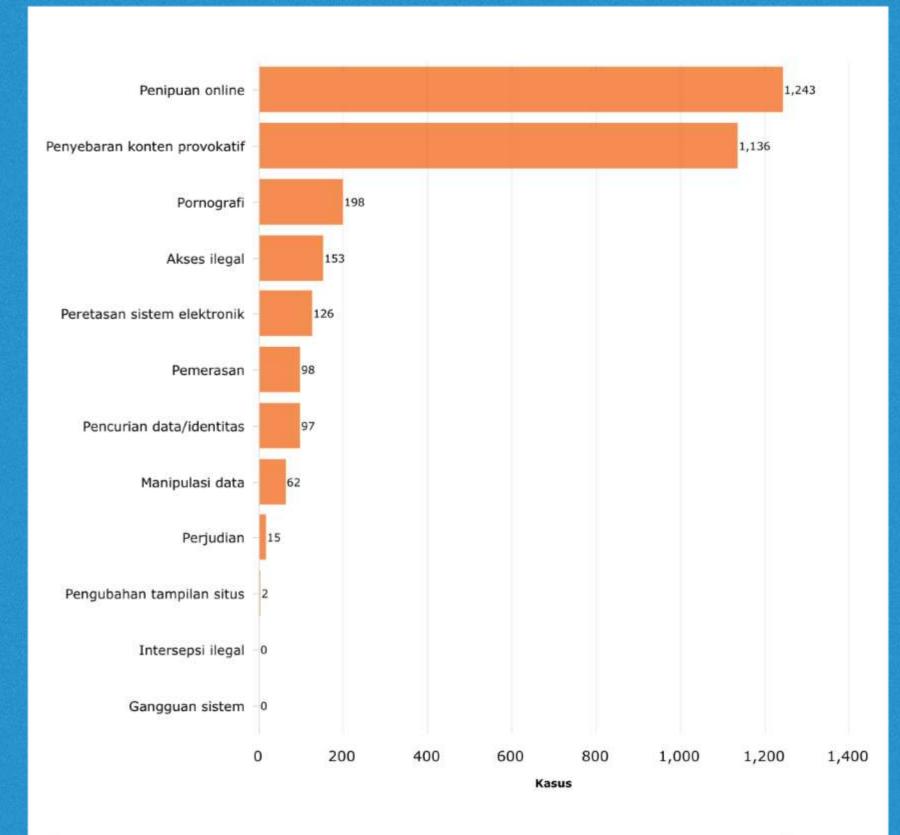
Kenali 17 fintech baru terdaftar di OJK agar terhindar dari jeratan fintech ilegal

Jumat 15 Nov 2019 21:16 WIB

Minggu 10 November 20

Kasus Penipuan Gunakan Bukti Transfer Palsu Sedang Marak, Ini Imbuan dari OJK

Senin, 11 November 2019 01:00 WIB



"databoks

D katadata...

Menanti kelahiran "Komite Data Elektronik"

Jadi Prioritas, Amankan Pusat Data di Dalam Negeri

Mozilla Foundation

REPORT 2019

INTERNET HEALTP

Koran Sindo

Sabtu, 16 November 2019 - 06:35 WIB

Jenius-Blibli Kolaborasi Ajak Pengguna Jaga

Keamanan Data

Senin 11 Nov 2019 06:30 WIB

Home > Ekonomi > Ekonomi

Privacy & Security

Opennes

Five issues that will determine the future of **Internet Health**

Decentalization

Digital Inclusion

Web Literacy

https://foundation.mozilla.org/en/internet-health/

Malware

Contact Sharing

Koleksi Informasi Pribadi

Spam

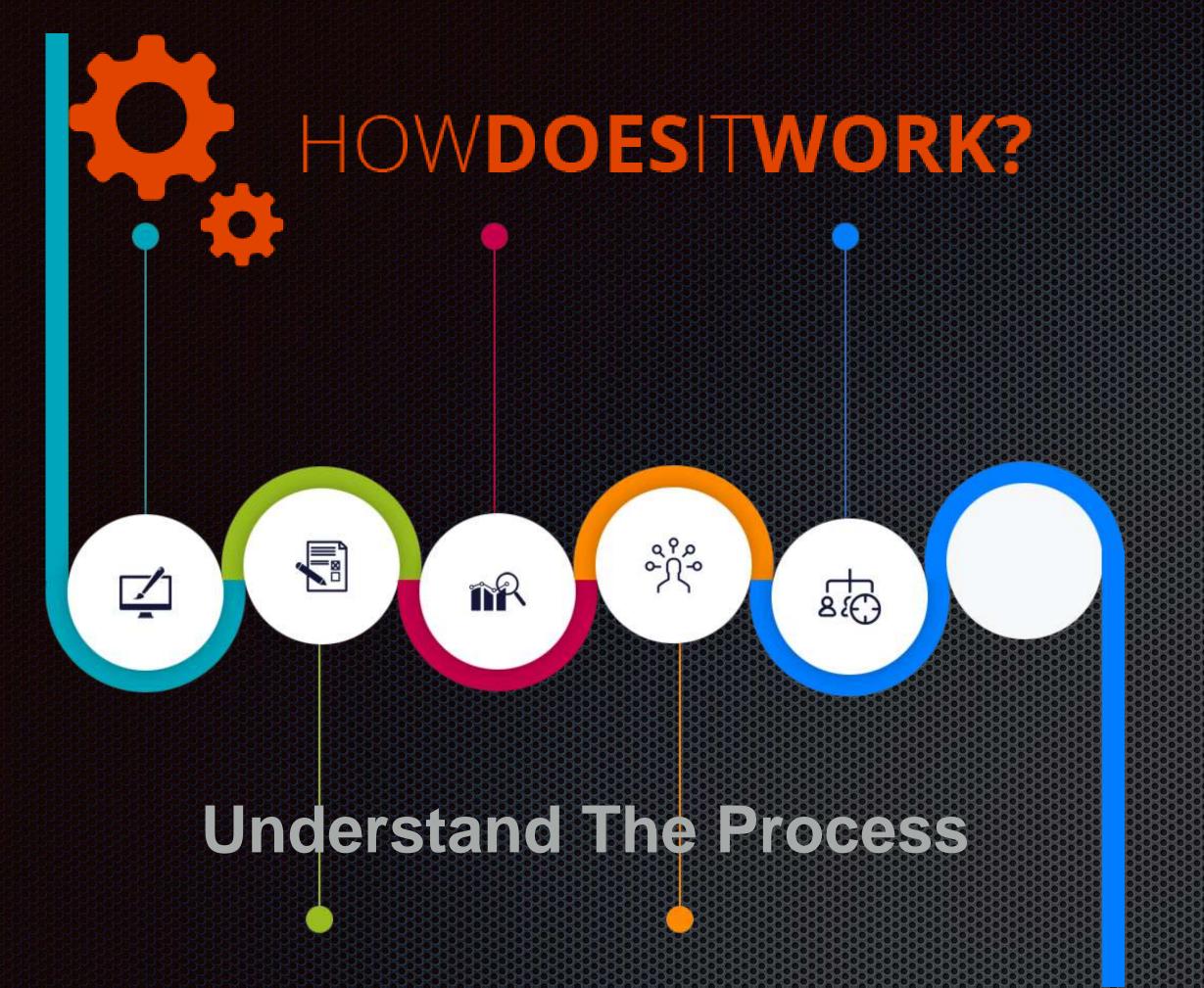


Information Sharing

Monitoring activities



Bahkan pengumpulan informasi DNA yang (akan) semakin banyak di masa depan punya pontensi ancaman keamanan



Memahami Fungsi Lampu "Hazard" Sesungguhnya

Kompas.com - 23/03/2014, 15:38 WIB







Nasional Internasional Ekonomi Olahraga Teknologi Hiburan Gaya Hidup

Home > Teknologi > Berita Otomotif

EDUKASI & FITUR

Salah Kaprah Penggunaan Lampu 'Hazard'

CNN Indonesia | Senin, 29/10/2018 23:20 WIB





Home > Otomotif > Tips & Trik

4 Dosa Besar Pengemudi Menyalakan Lampu Hazard











Street Manners: Banyak yang Gagal Paham, Ini 4 Kesalahan Penggunaan Lampu Hazard

Latifa Alfira Ulya - Sabtu, 15 Juni 2019 | 07:45 WIB





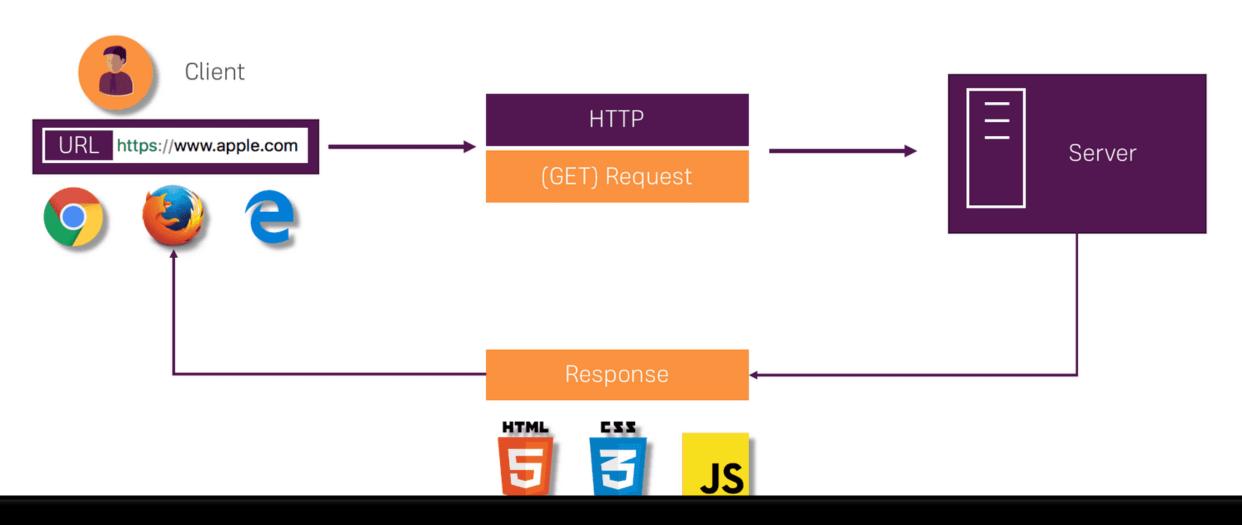






HOWDOESITWORK?

How does the web work?



Astalavista.box.sk - daily updated search engine for computer security related material.

Online Gambling	Choo se you	r game now !!!	_ = ×
C Blackjack C	Slot Machines	Play Now?	CAMBUNG.COM
	Video Poker	(Yes) No	

NEW! Get your own @gambling.com e-mail address!

- Use this page to add your site to the engine.
- How to add Astalavista search to your page.

search

Enter one or more words to search for. If you want to specify more than one word, use a space as a separator. Example : security linux for all topics dealing with both security and linux.

To access Yahoo! Mail... you need a Yahoo! ID. Don't have a Yahoo! ID? Signing up is easy. Sign up for Yahoo! Already have a Yahoo! ID? Sign in. 9~ Yahoo! ID: Password: Remember my ID on this computer To access Yahoo! Mail... you need a Yahoo! ID. Don't have a Yahoo! ID? Signing up is easy. Sign up for Yahoo! Already have a Yahoo! ID? Sign in.

Yahoo! ID:

Password:

Remember my ID on this computer

9~

Sign In

Sign-in help

New Submits over SSL

Forget your ID or password?

Prevent Password Don't have a Theft Yahoo! ID? Signing up is easy. Sign up for Yahoo! Already have a Yahoo! ID? Sign in. Yahoo! ID: 9~ Password: Keep me signed in for 2 weeks unless I sign out. New! [Uncheck if on a shared computer] Sign In Forget your ID or password? | Help Gunakan akun Yahoo Anda

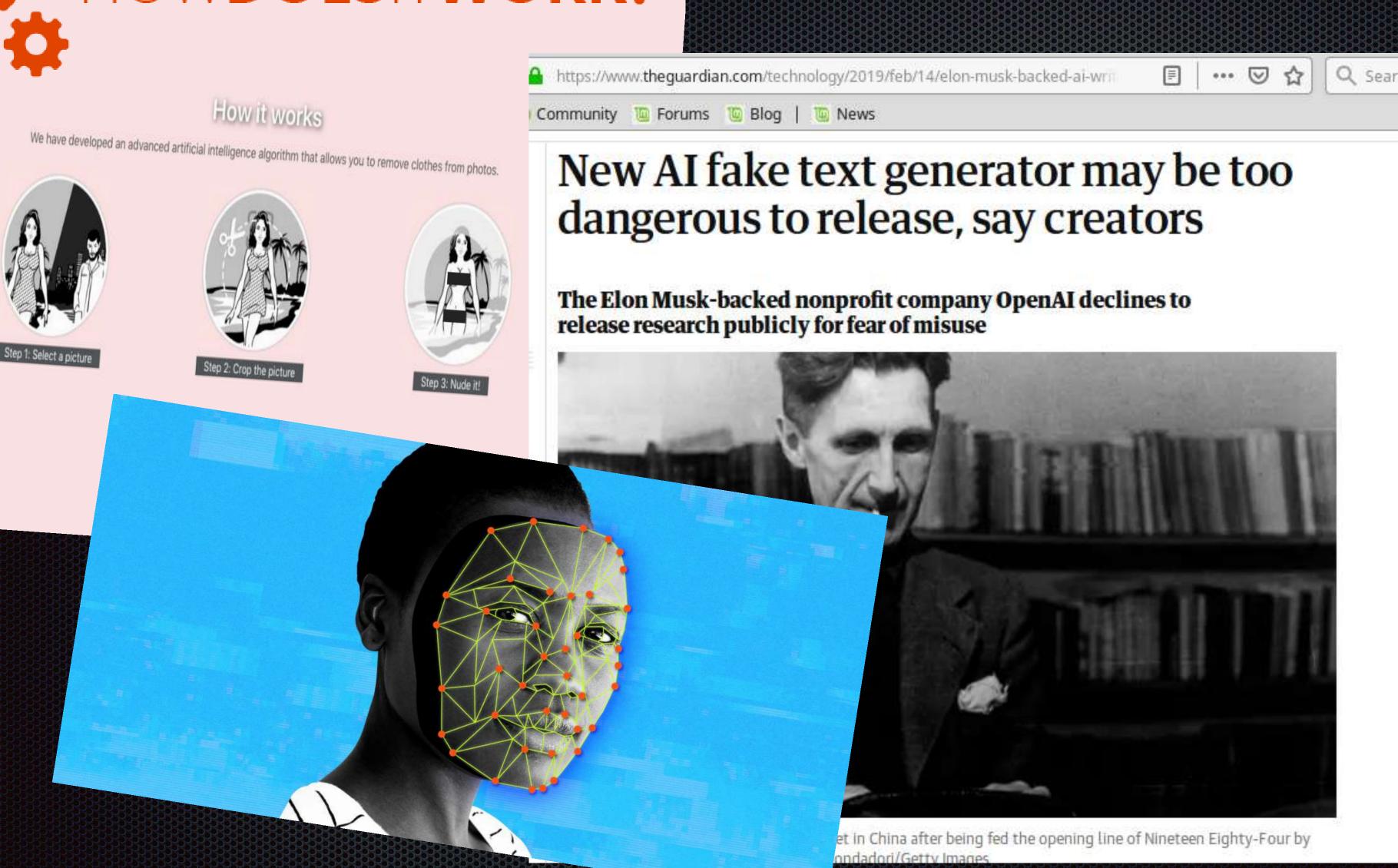
Alamat email

Berikutnya

Tetap sign in

Bermasalah sign in?



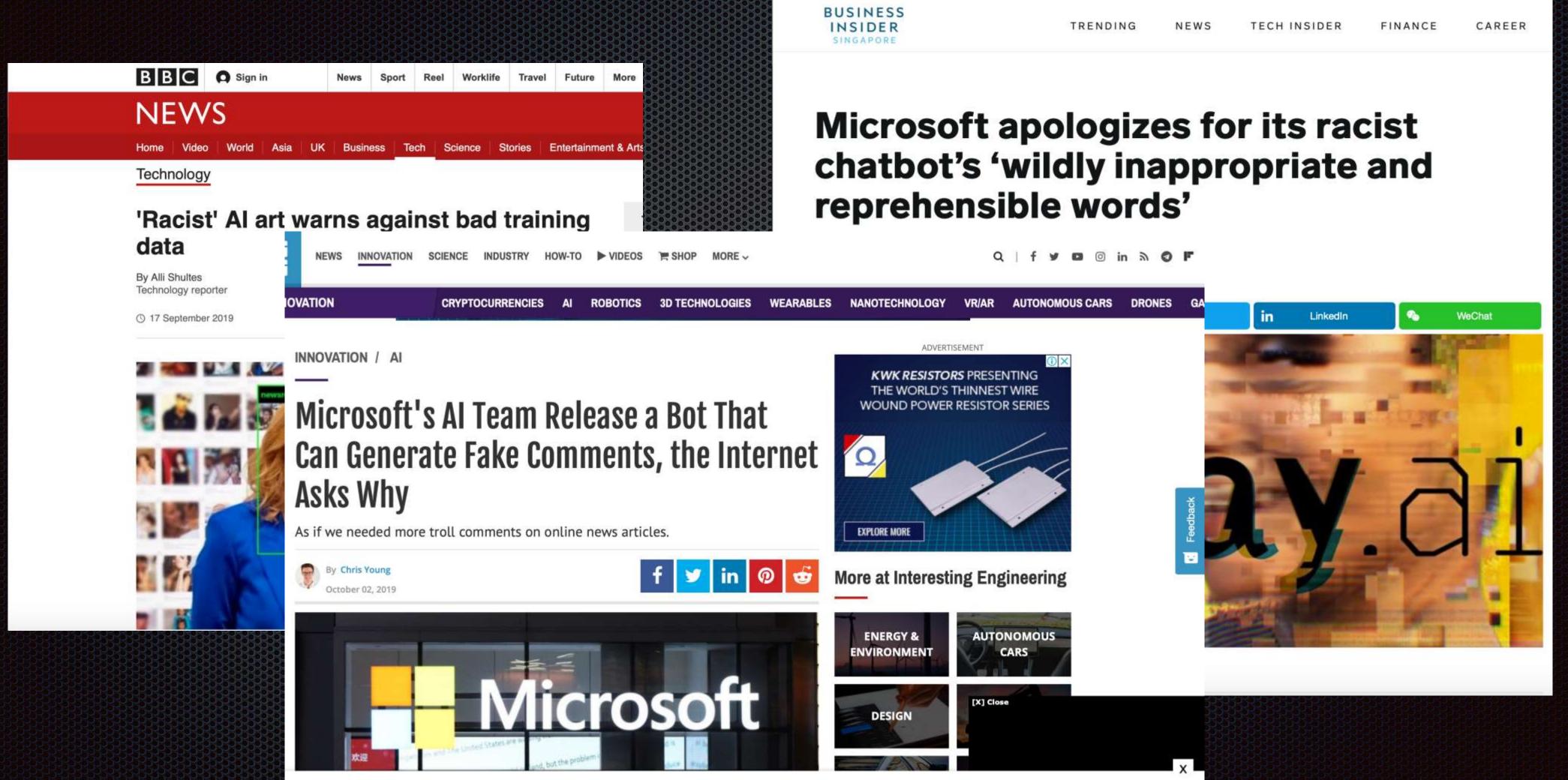


Fake News
Fake Msg
Fake Pics
Fake Vids
Fake Text
Etc

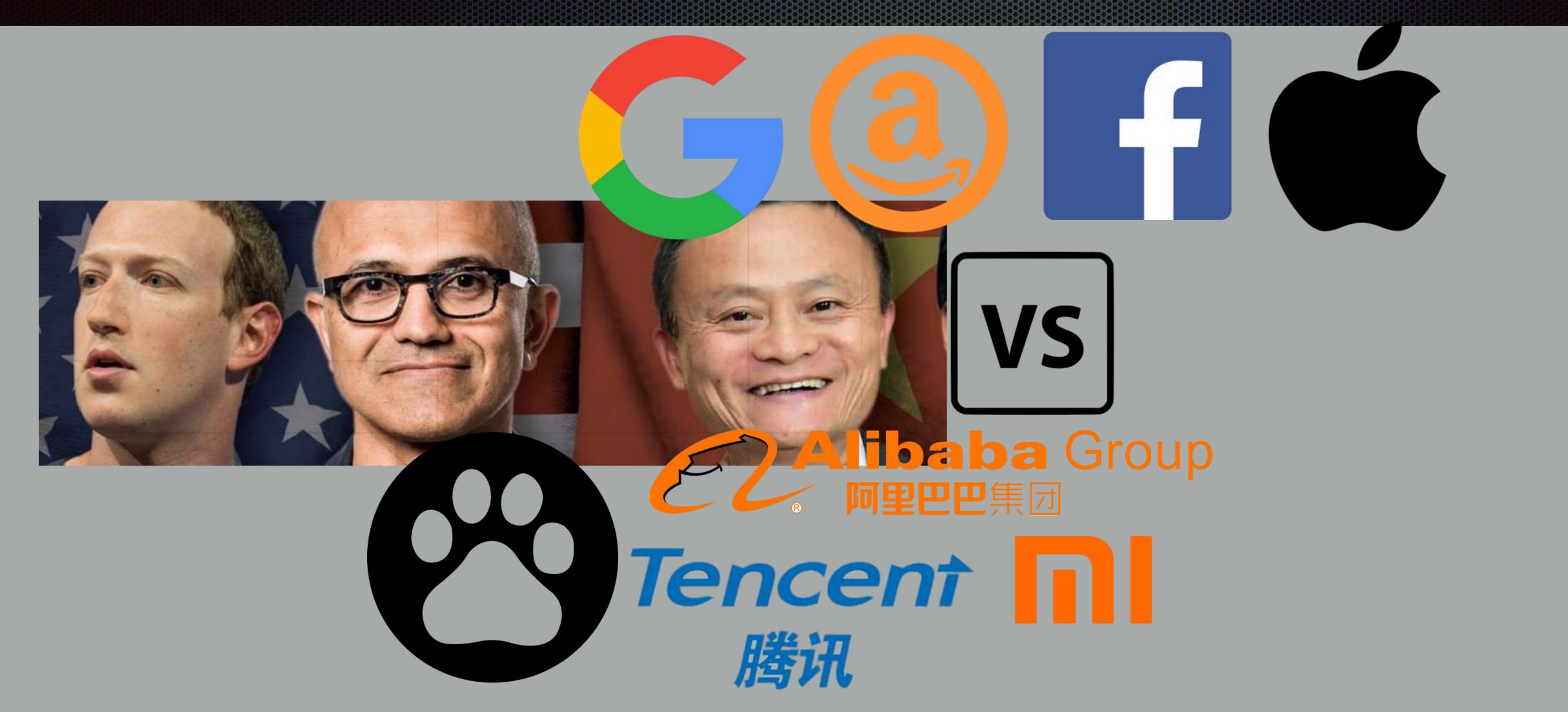


HOWDOESITWORK?

Deepfakes, biased Al and addiction by design*



Data Digital War

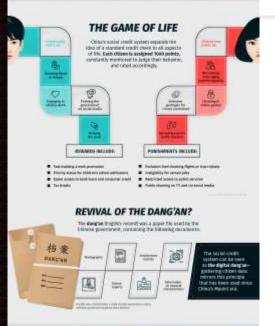




Data Digital War

South China Morning Post

DAVOS 2019



How China Is Using "Social Credit Scores" to **Reward and Punish Its Citizens**

By Charlie Campbell / Chengdu







The Observer

Technology

i Tingyue has a lot going for her. She won a scholarship to China's restigious Sichuan University where she graduated with a master's in

Why you should worry if you have a Chinese smartphone

China's use of technology for social control of its citizens is extensive - but it could affect users elsewhere too, says security analyst Samantha Hoffman





Why US businesses should be worried about China's corporate social credit system

 Though it hasn't bee international firms to

Punishments could i

WORLD NEWS 24 OCT 2019

INTERNATIONAL POLICY DIGEST = ABOUT US WRITE FOR US CONTACT US ADVERTISE MASTHEAD

Felix Imonti

China's Social Credit Tyranny with American Characteristics



For China, technology is a weapon that is to be used to dominate the world. A number of American high-tech corporations are helping China to achieve the objective.

Long before Xi Jinping introduced in 2014 the Social Credit system that is supposed to be fully functioning by 2020, a forerunner existed for more than a century in the United States. The early form of what is a credit bureau appeared in 1899 under the name of the Retail Credit Company to be rebranded Equifax in







Digital Competencies

Top 10 skills

in 2020

- Complex Problem Solving
- Critical Thinking
- Creativity
- People Management
- Coordinating with Others
- Emotional Intelligence
- 7. Judgment and Decision Making
- 8. Service Orientation
- 9. Negotiation
- Cognitive Flexibility



https://www.gartner.com/en/publications/future-it-workforce

Additional skills that you will need to succeed in 2020.

- Learning how to learn.
- Speed reading and reading intelligently.
- Note-taking.
- . Analyzing information.
- . Spotting patterns and trends.
- Communicating written and oral.
- . Understanding and leveraging technology.
- Cultural awareness and sensitivity.



KURIKULUM

Hadapi Revolusi Industri 4.0, Mendikbud akan rancang ulang kurikulum

Rabu, 2 Mei 2018 13:44 Reporter : Hari Ariyanti





174

PROF. MULYASA: KURIKULUM 2013 REVISI MENJAWAB TANTANGAN REVOLUSI INDUSTRI 4.0

Kemenristekdikti: Perguruan tinggi harus respon cepat perubahan

O Rabu, 4 September 2019 16:36 WIB

adopsi teknologi informasi untuk meningkatkan layanan pendidikan dan penguatan pembelajaran jarak jauh

Jakarta (ANTARA) - Kementerian Riset, Teknologi dan Pendidikan Tinggi (Kemenristekdikti) menyatakan perguruan tinggi harus merespon cepat perubahan yang ada saat ini untuk memenangkan kompetisi.

"Perguruan tinggi harus melakukan reorientasi kurikulum di setiap program studinya yang disesuaikan dengan kebutuhan industri 4.0 dan mengembangkan kapasitas literasi baru seperti data, teknologi dan manusia, yang diarahkan untuk menunjang sistem pembelajaran," ujar Direktur Jenderal Pembelajaran dan Kemahasiswaan Kemenristekdikti, Prof Ismunandar, saat menghadiri peringatan Dies Natalis Universitas Terbuka di Pondok Cabe, Tangerang Selatan, Banten, Rabu.

Kurikulum 2013 Revisi mengintegrasikan empat hal penting dalam pengimplementasiannya, yaitu penguatan pendidikan karakter (PPK), Literasi, *High Order Thinking Skills (HOTS*), dan Keterampilan Abad 21, yakni *communication, collaboration, critical thinking and problem solving,* dan *creativity and innovation*. Diharapkan ke depannya dengan pengitegrasian empat hal tersebut dapat menghasilkan para lulusan yang memiliki kemampuan dalam menjawab tantangan zaman, kecerdasan dalam menyikapi berbagai macam keadaan, beriman dan bertakwa kepada Tuhan, serta bertanggungjawab, pada era Revolusi Industri 4.0.

"Kurikulum 2013 Revisi mengintegrasikan PPK, Literasi, dan Keterampilan Abad 21 diharapkan dapat menjawab tantangan zaman yang sangat dinamis, apalagi pada era Revolusi Indusrti 4.0 ini," pungkas Prof. Mulyasa.

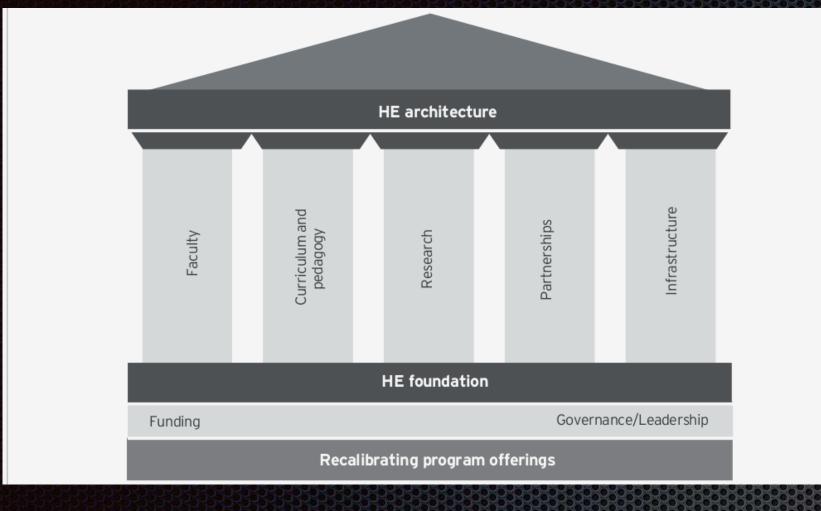
4 Usulan Pakar UPI kepada Nadiem dalam Membongkar Kurikulum

Reporter: Anwar Siswadi (Kontributor)

Editor: Yudono Yanuar

Kamis, 7 November 2019 06:00 WIB

KURIKULUM



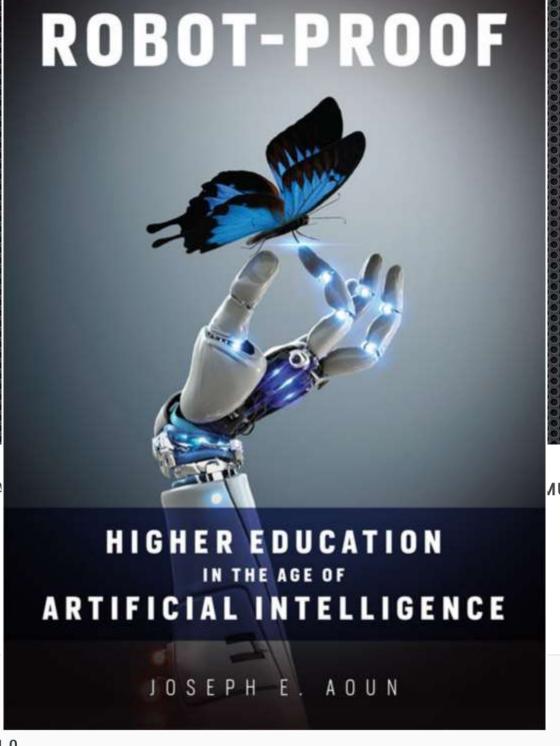


HOME

TENTANG KAMI

DIREKTOR#

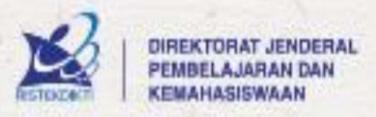
BERITA



PANDUAN

PENYUSUNAN KURIKULUM PENDIDIKAN TINGGI DI ERA INDUSTRI 4.0

DIREKTORAT JENDERAL PEMBELAJARAN DAN KEMAHASISWAAN KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI 2018



PENUTUP

Kurikulum Pendidikan Tinggi (KPT) sesungguhnya mencerminkan spirit, kesungguhan, dan tanggung jawab para pendidik untuk menyajikan pembelajaran secara profesional untuk melahirkan lulusan yang bermutu, dan yang mampu beradaptasi dengan lingkungannya, khususnya di era Industri 4.0. Kurikulum Pendidikan Tinggi merupakan amanah institusi yang harus senantiasa diperbaharui sesuai dengan perkembangan kebutuhan dan IPTEK yang dituang dalam Capaian Pembelajaran Lulusan.

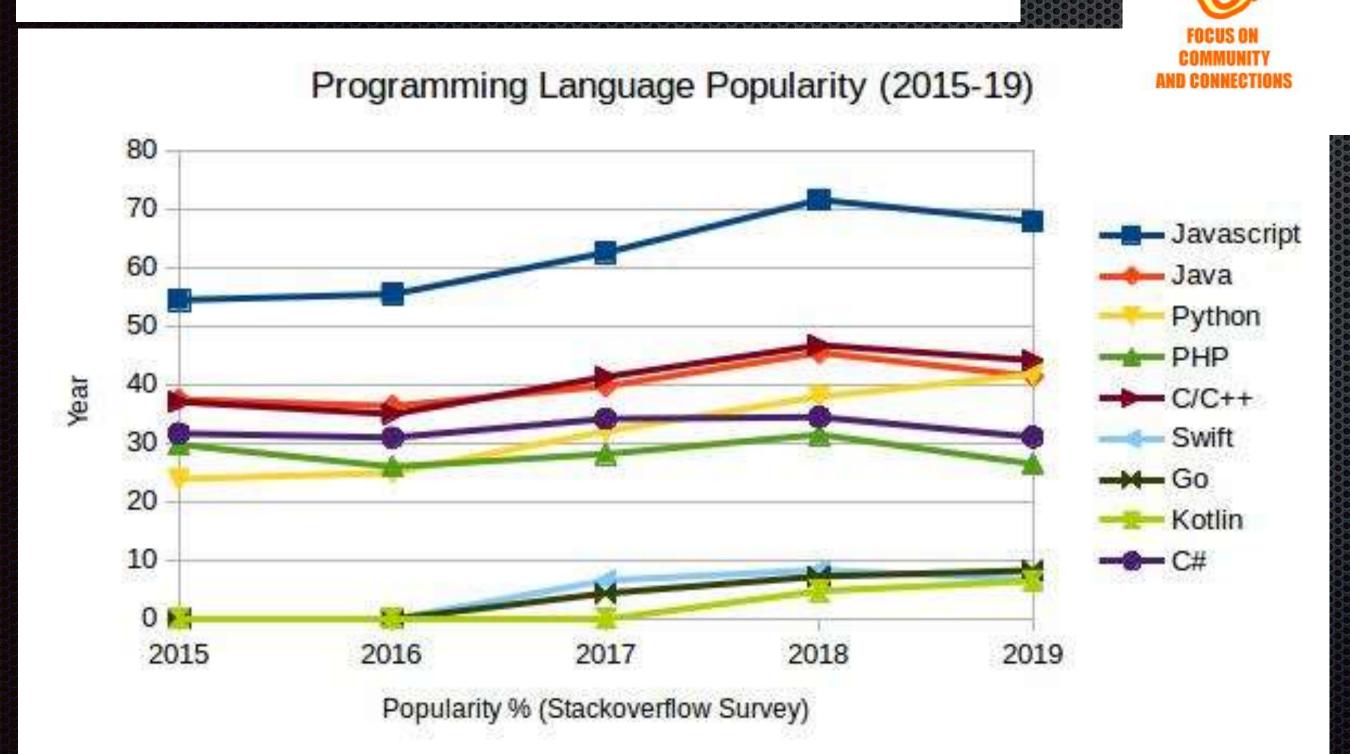
HOME / BERITA / **PENDIDIKAN TINGGI PERLU KEMBANGKAN KURIKULUM DI ERA REVOLUSI INDUSTRI 4**.0

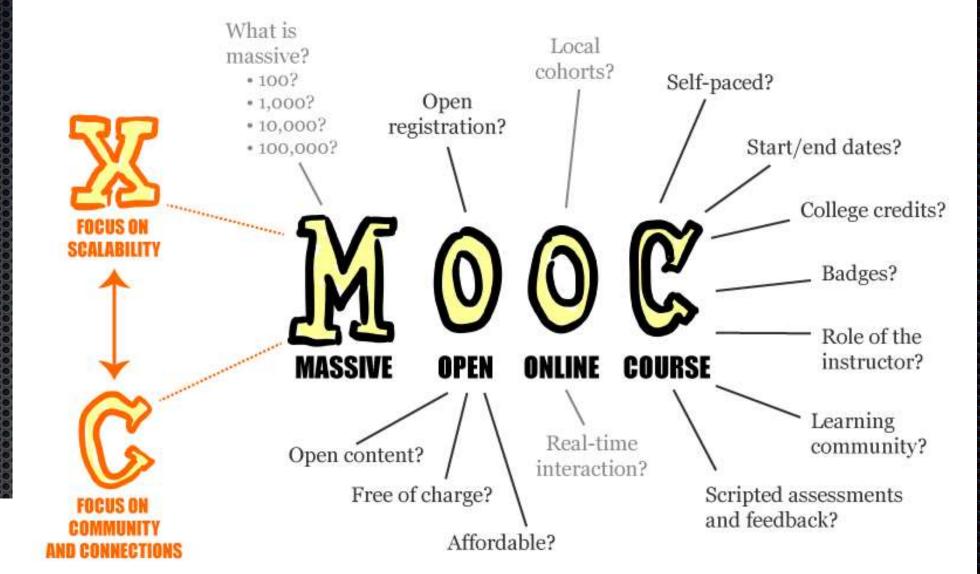
Pendidikan Tinggi Perlu Kembangkan Kurikulum di Era Revolusi Industri 4.0

KURIKULUM

10 Best Programming Languages to Learn in 2020

A developer's list of the programming languages you probably want to start learning in 2019/2020





Class Central's Top 100 MOOCs of All Time (2019 edition)





https://qz.com/1525661/your-digital-identity-has-three-layers-and-you-can-only-protect-one-of-them/

Katarzyna Szymielewicz*

Your digital identity has three layers, and you can only protect one of them

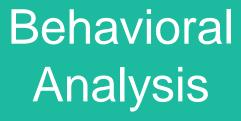




First

What you feed into Net









Third

Interpretation











Education

Knowledge

Love

Friendship

Wisdom

