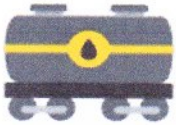
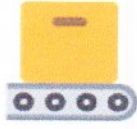


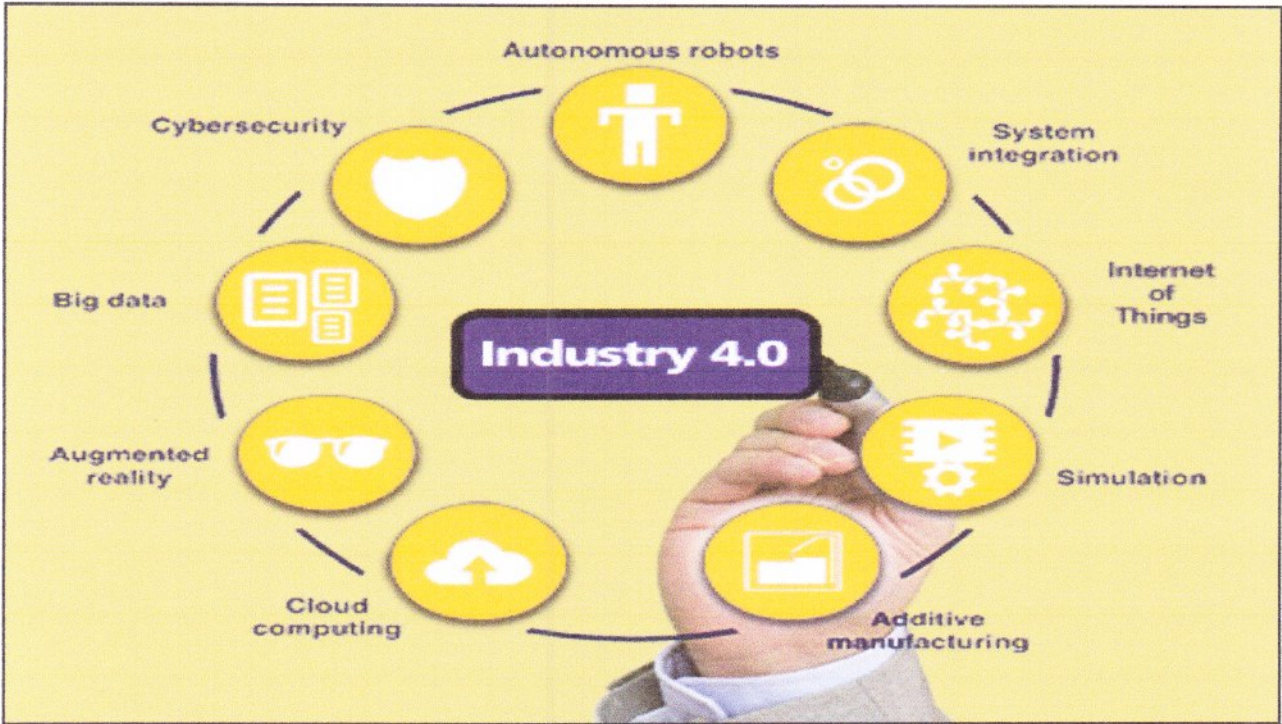


# Revolusi Industri 4.0 dan Masyarakat 5.0

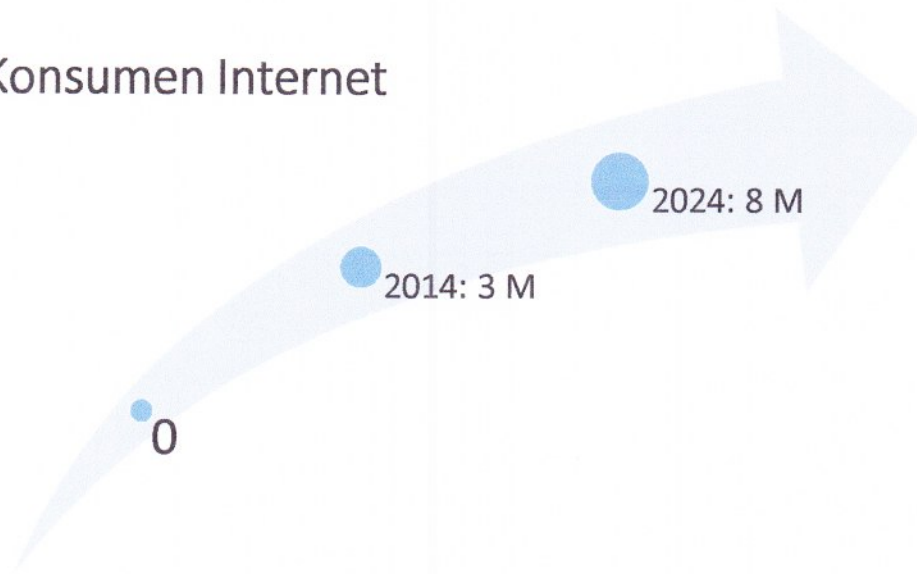
Chairil Effendy

			
<b>INDUSTRY 1.0</b>	<b>INDUSTRY 2.0</b>	<b>INDUSTRY 3.0</b>	<b>INDUSTRY 4.0</b>
18th century	19th century	Mid 20th century	Today
Steam power	Electricity	ICTs Electronics	Advanced robotics 3D printing Internet of Things Artificial Intelligence Big data
Mechanical production, moving away from cottage industry	Mass production and assembly line	Automated and networked production	Intelligent, flexible and distributed production



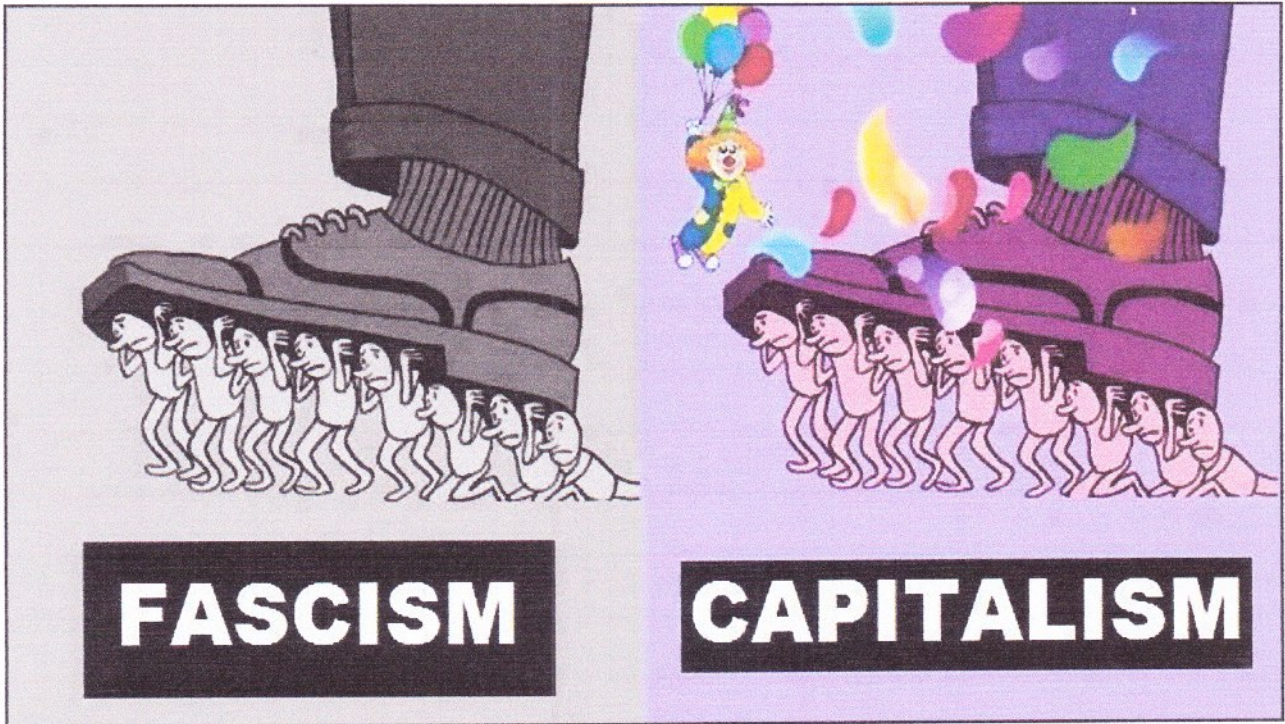


## Konsumen Internet



## Trend Perubahan Dunia

- Ditentukan oleh 3 dewa: *capitalism*, *postmodernism*, dan *cyberspace*
- Masing-masing memiliki spirit: spirit *capitalism* (ekonomi), spirit *postmodernisme* (budaya), dan spirit *cyberspace* (teknologi)
- Spirit *capitalism*, spirit *postmodernisme*, dan spirit *cyberspace* berkelindan membentuk "spirit dunia" atau "spirit global" (*spirit of the world*).
- Spirit global menciptakan "dunia yang berlari" (*the runaway world*), ialah "kecepatan pertumbuhan dunia yang tidak sejalan dengan "pertumbuhan" manusianya.





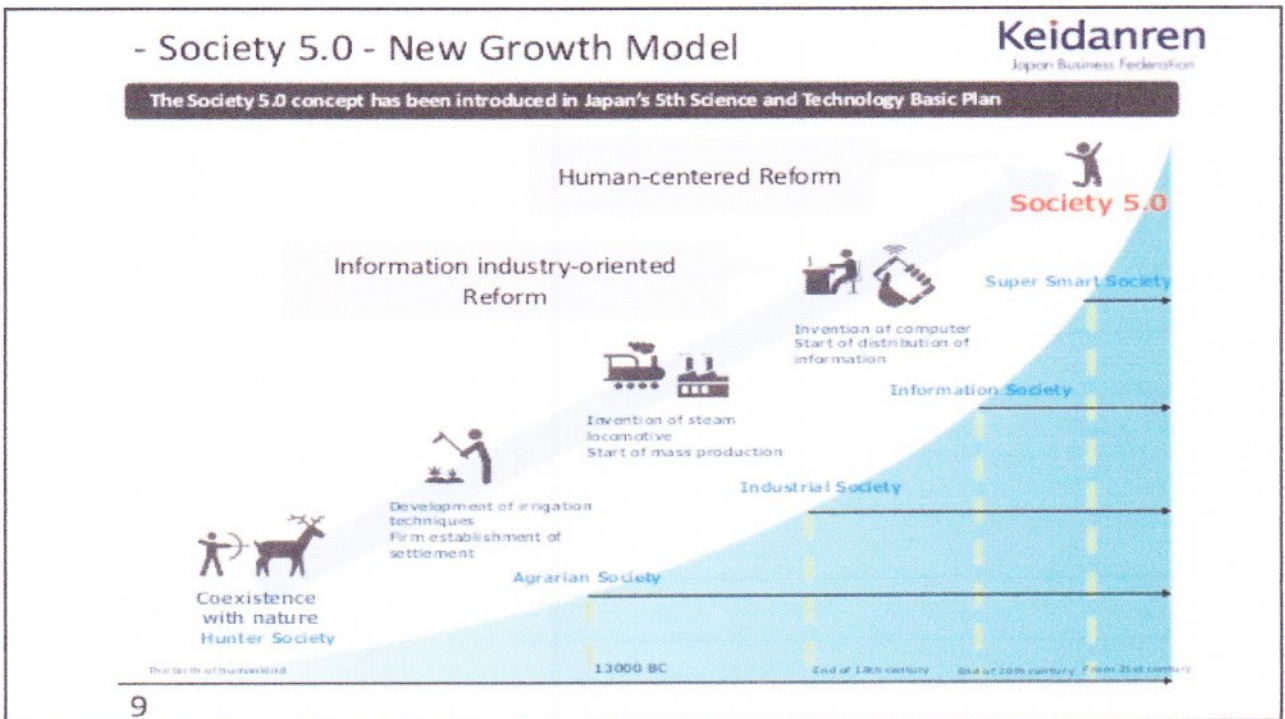


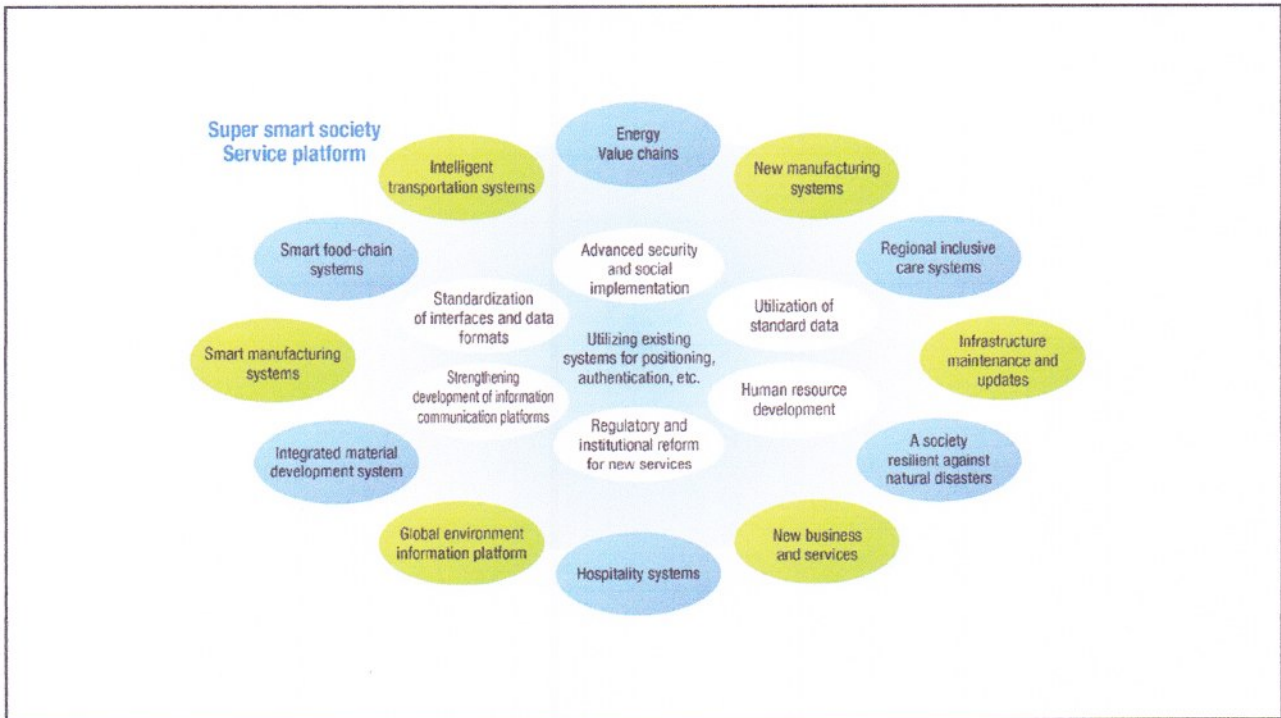
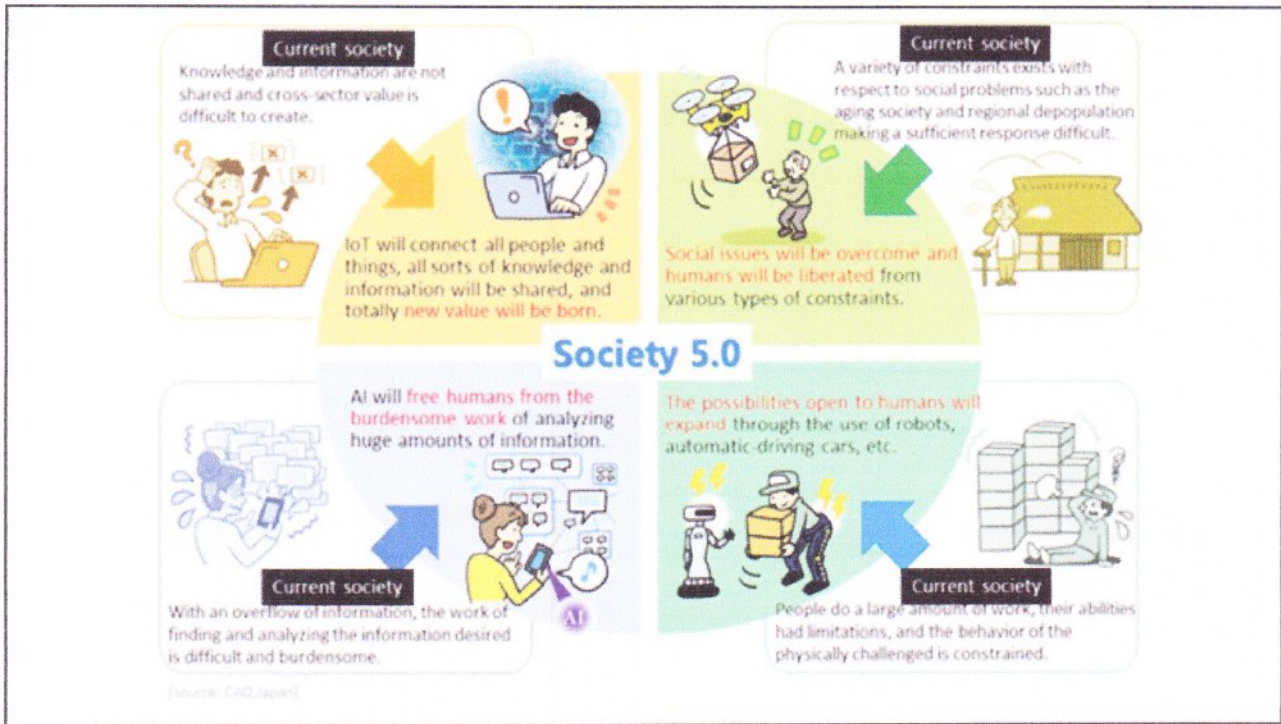
## Dampak pada Pekerjaan

52,6 jt lap. kerja  
lama hilang

3.7 jt lap. kerja  
baru muncul







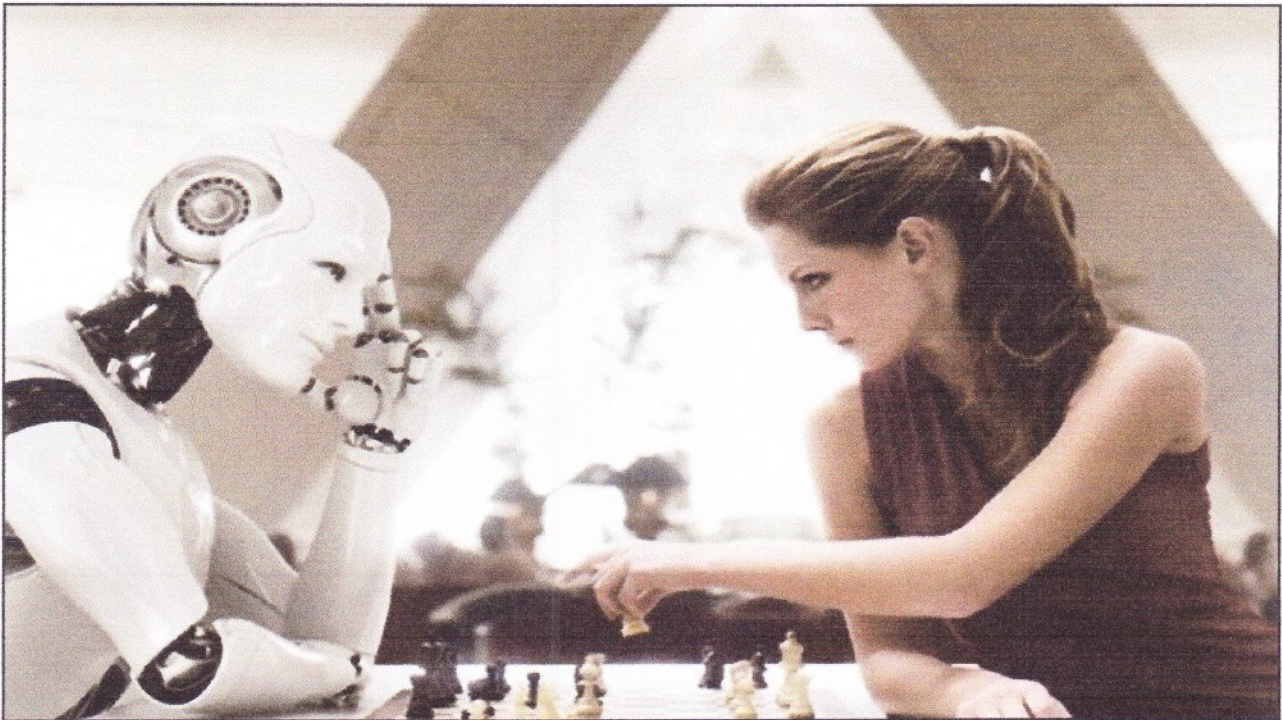
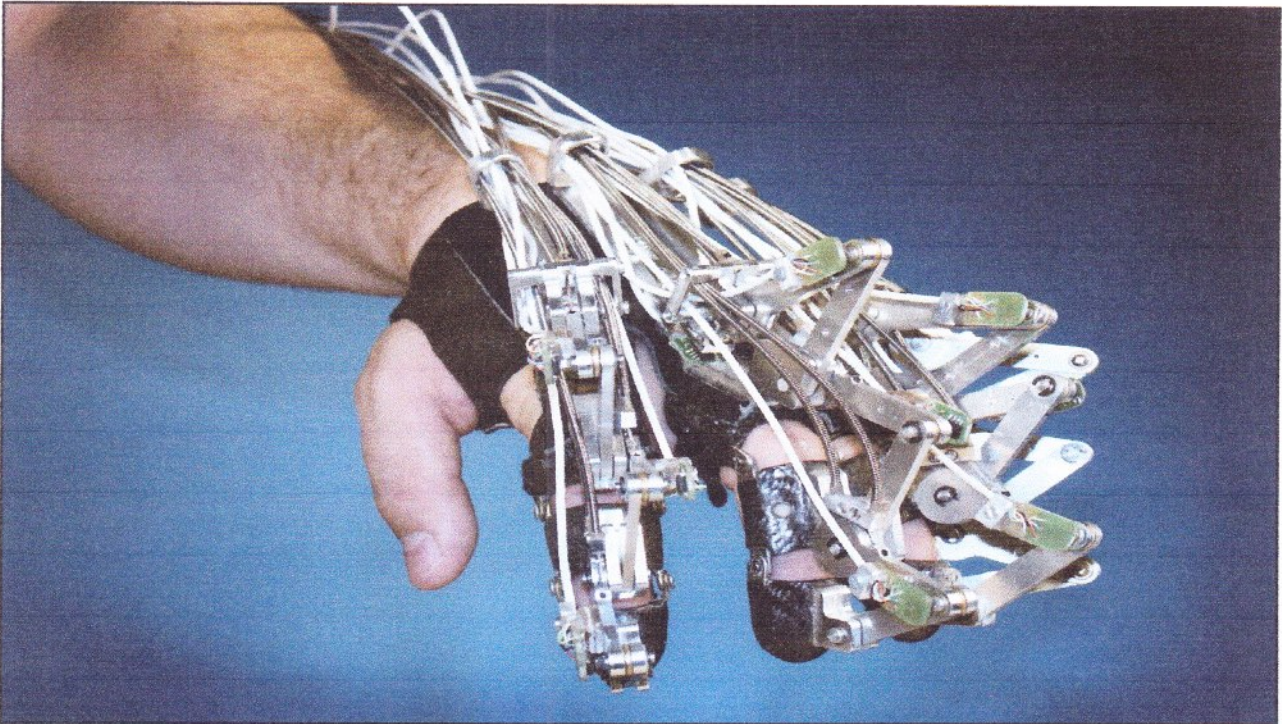




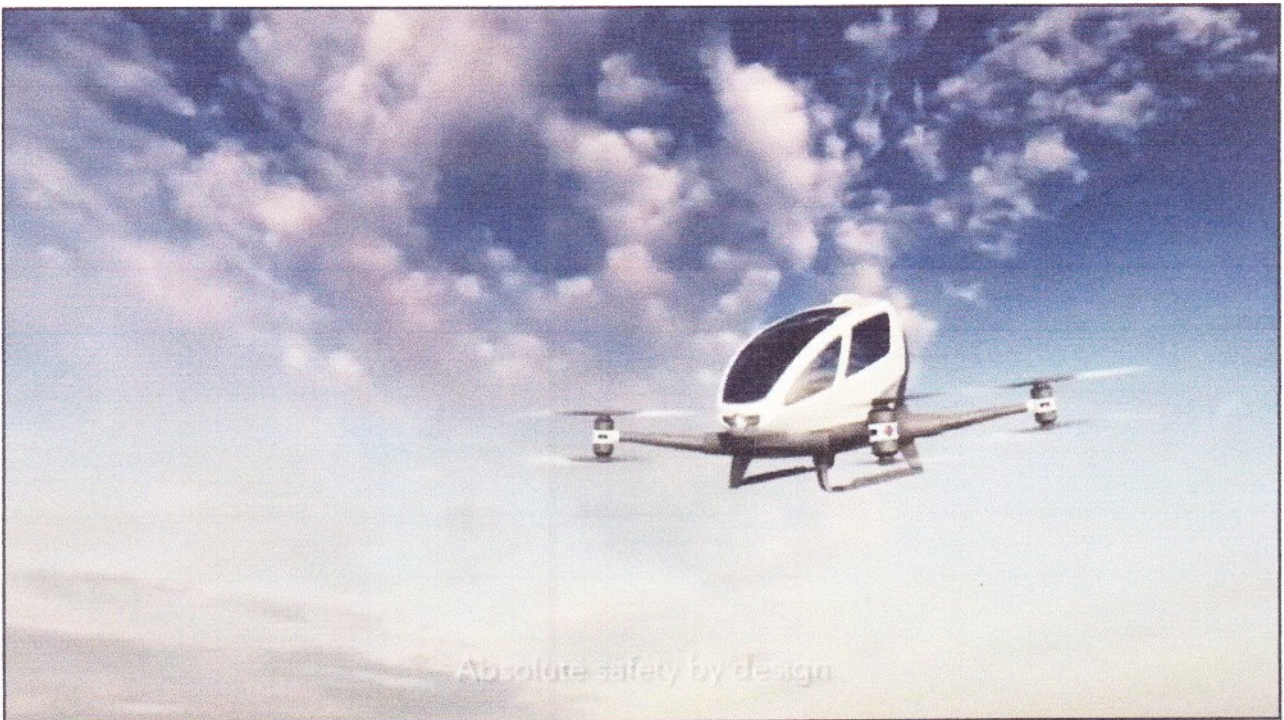
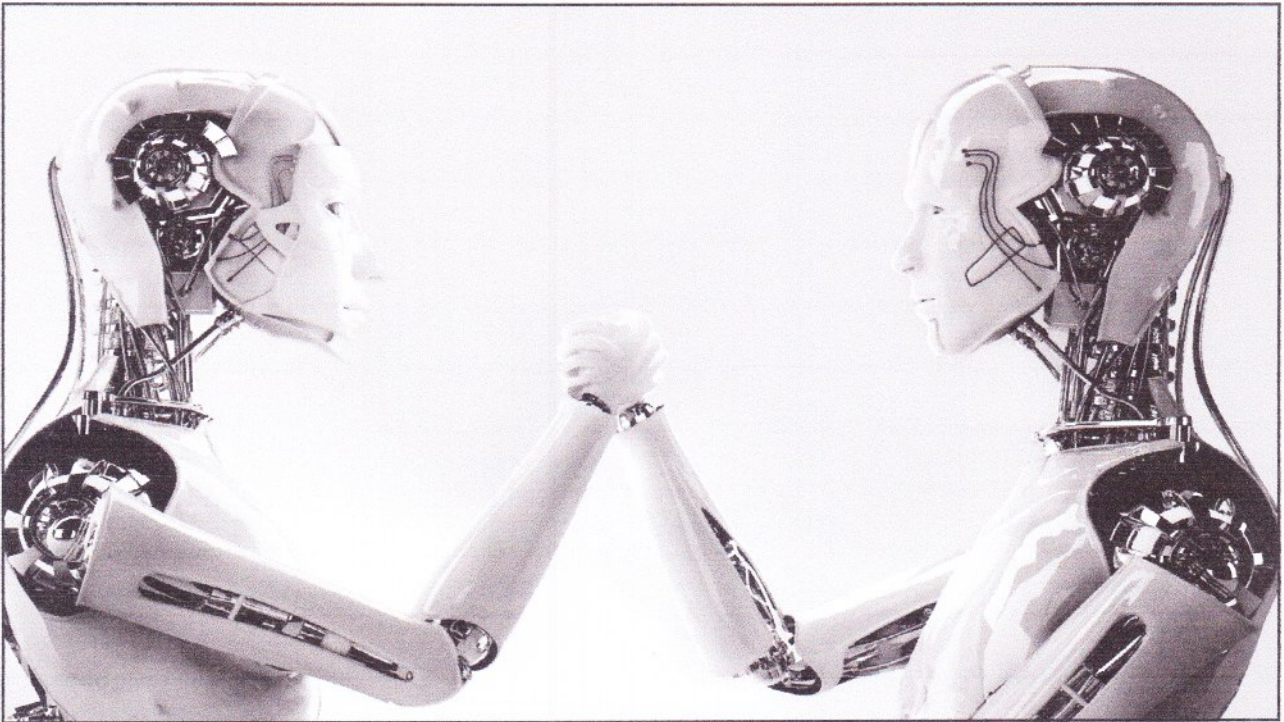








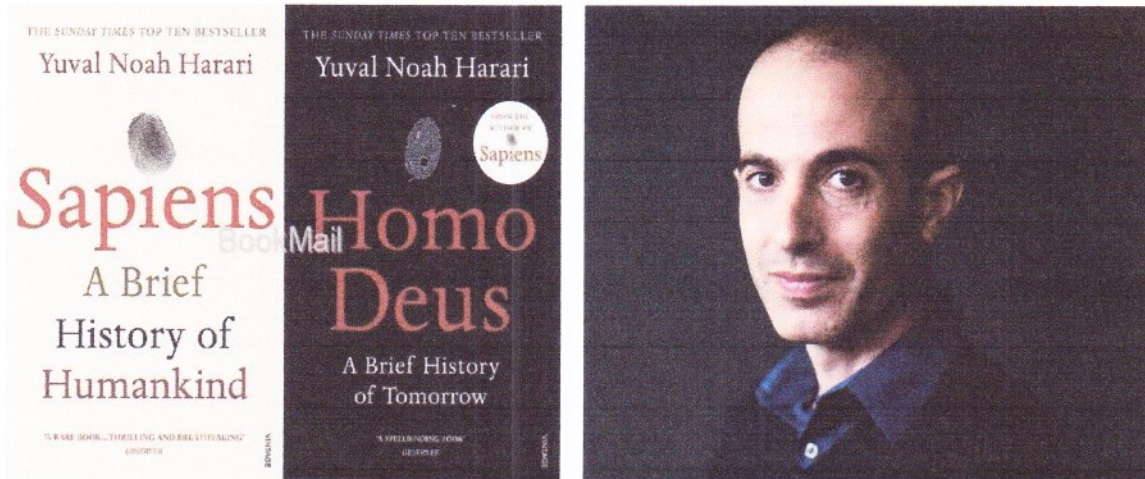




Absolute safety by design



## Manusia: Dari “Spesies Hewan” menjadi “Adi Manusia”



### ***General Education***

*“An approach to college learning that **empowers individual and prepares them to deal with complexity, diversity and change.** It emphasizes broad knowledge of the wider world (e.g science, culture and society) as well as **indepth achievement in a specific field of interest.** It helps students **develop a sense of social responsibility as well as strong intellectual and practical skill that span all area of study,** such as communication, analytical and problem solving skills and includes as demonstrated ability to apply knowledge and skill in real world setting.” (Assoc. of America College and Universities).*