

IOT AND UNEMPLOYMENT:

THE EFFECT OF INTERNET ILLITERACY
CASE STUDY IN BUMIAYU, CENTRAL JAVA

Presented by:
Mochamad
Fathoni

Geekcamp.id
Senayan City
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CURRICULUM VITAE

- Born: Jakarta, October 2nd, 1981
- Major in International Relations (S1) and Islamic Finance (S2).
- Was an autodidact indie Game Developer in 2008-2010.
Create educational game for Gov't and public institution.
- Ever teach children in private elementary school to make game in 2012
- Have Start-up Biz in Bag Manufacture and Printing Business.
- Now Lecture in Peradaban University, Brebes, Major in International Relations.



BACKGROUND

- Technology will continue to impact every industry and individual.
- By blending physical and digital realms, the Internet of Things (IoT) vastly expands the reach of information technology.
- As new technology, IoT is believed will change the world of work and reshaping labor market.
- Means that emerging technologies such as computers, robotics and artificial intelligence are displacing human jobs, creating an epidemic of “technological unemployment.”

CASE

- 4/6 young people in Brebes, especially in Bumiayu work in neighbour cities, work abroad as TKI (Tenaga Kerja Indonesia) or continue education in big cities after graduated from high school.
- Only 2/6 young people stay in Bumiayu.
 - From 2/6, only 1/6 attend to local universities and 1/6 other work in local business.
- Most work in local business related to low skill labour.
- Only several business related to low-mid skill labour.

ISSUE FOUND

- We survey 100 young respondent how they use internet to improve their skill in order to improve their future career.
- What we found is quite shock. Despite the gender, 100% respondent have access to internet through mobile phone or wifi in campus with daily basis.
- But, 40% respondent said they have low internet skill for productive means even if they often use internet every day. 50% said they have mid internet skill in the same frequent use of internet. While 10% said they have high internet skill.
- This creates problem called internet illiteracy in young people in Bumiayu.
- By not knowing how to best use the Internet may have a negative impact on their education and employment opportunities. It explain why there are only low level skill labor and low-mid level skill labor resides in Bumiayu.

DISCUSSION

- The internet illiteracy happened in young people in Bumiayu will widening the employment gap which will unfit in the new economy that mostly connected to the internet.
- As said before, Internet of Thing (IoT) will change the world of work and reshaping labor market. Especially the world of work in low skill and mid skill labour where many of the low skill and mid skill work will be automatized and then creates unemployment.
- As unemployment increase, it will affect the economic, social and political stability.

DISCUSSION...

- Today, all the young generation should be internet literacy.
- An internet literacy means that you can use/consume internet for producing something useful.
- You don't waste the internet bandwidth for wasteful thing because other people can earn money with it while you don't.