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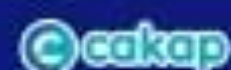


YAYASAN
ANAK
BANGSA
BISA

gogo

Inequality Gender Employment

SUPPORTED BY



COMMUNITY
PARTNER



HELLO!

We are from Group DA_EM_13



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Presentation Outline

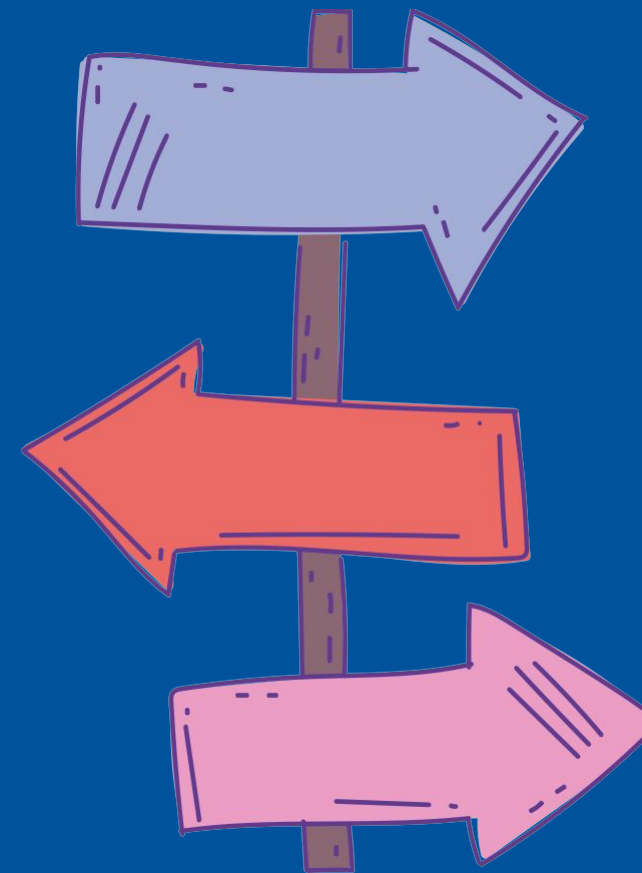
Introduction

Project
Background

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& Impact

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Data Dashboard
Demo



Do You Know about the
inequality of gender
employment in Indonesia?

&

How can data help us analyze
and recommend to help find a
job?



Project Background:

Problem we're trying to solve



According to BPS RI data, Indonesia's **unemployment rate is 5.83 percent** of the entire population of Indonesia as of February 2022. **Women dominate the unemployment rate.**

The McKinsey & Company report reinforces that **the ratio of women working in corporations (formal jobs) is still lower than men.** Moreover, the **higher** the position in a job, the **smaller** the proportion of women occupying the position.

Project Background

Our Project to solve The Problem!!

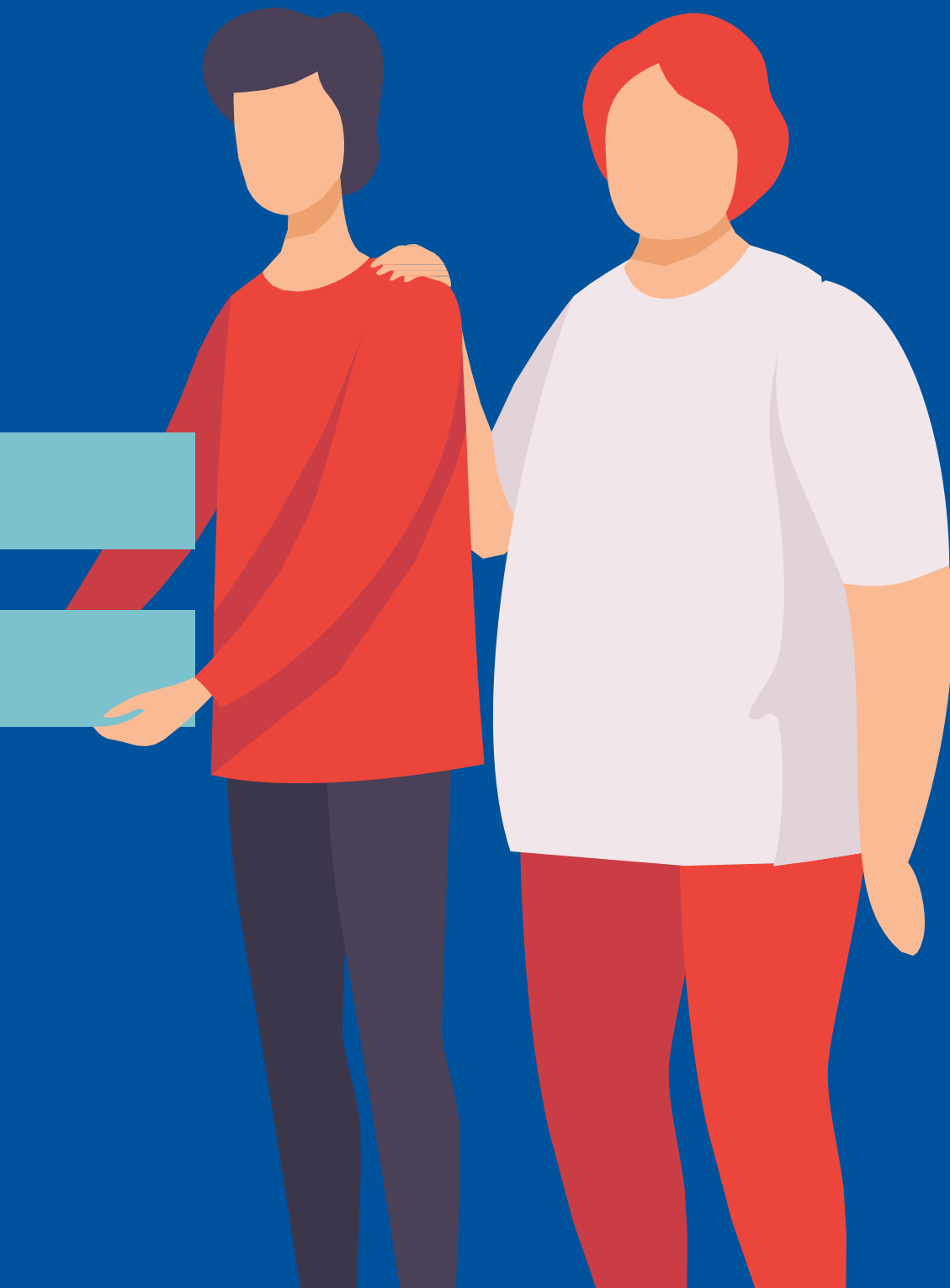
We made an analysis in the form of **dashboard visualization** regarding the **Inequality of women and men in terms of fulfilling their life needs (work).**

The dashboard visualization is expected to help women find solutions to **overcome job equality**. As well as a **recommendation system** to help women find jobs that match their qualifications.



Project Background

The expected benefits of the project



→ Compare the required qualifications and analyzing the causes of the gap between men and women in the world of work

→ Increase productivity and work skills needed in today's industry and eliminating the patriarchal view that women are better off working in the informal sector.

Project Formulation

- Find **correlating factors** that cause the low employment of women compared to men in Indonesia based on 2002-2018 employment data.
- Providing a **recommendation system** for women to support their career paths based on their abilities and qualifications.

The formulations of the problem that we raise in this project



Tech & Data Use

The Technology stack in this project :



Google Data Studio is used as software that helps in visualizing data.



Python is a programming language used for data processing dan analysis.



The Data we used in this project :

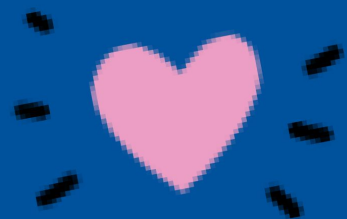
The data we used are from world bank data, Indonesian central bureau of statistics, and google job skills data within the year range 2002-2018

Impact of Our Project

The benefits of our project : To Users

The expected benefits of the dashboard visualization:

1. Our analysis of the gap between women and men employment in Indonesia.
2. A recommendation system to find the desired job based on the skills and qualifications possessed by the user.



The benefits of our project : To Us

This project teaches us about employment in Indonesia, especially on gender indicators. By completing our project, we are able to:

1. Analyze and give impact to society appropriately in selecting jobs that match our skills and interests.
2. Advantage to have experience and a portfolio of data analysis projects.



DEMO TIME!

DASHBOARD

ristek.link/InequalityGenderEmployment



INEQUALITY OF GENDER EMPLOYABILITY IN INDONESIA

Year ▼

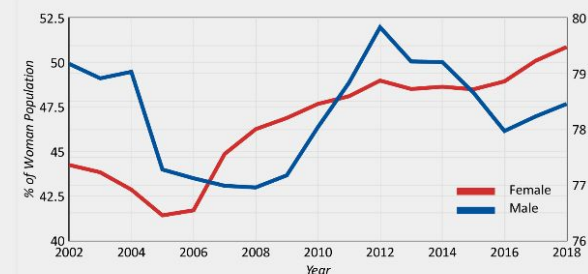
Education: Primary ▼ Gender: Female ▼

Female Unemployment
6.49%

Male Unemployment
5.36%

Total Unemployment
5.77%

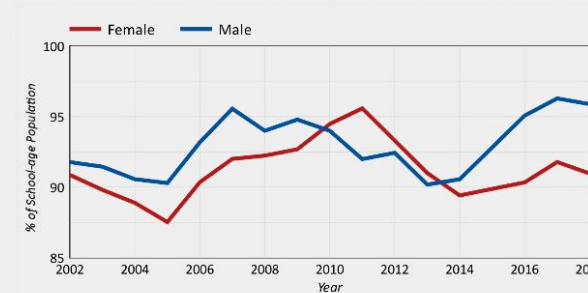
INDONESIA EMPLOYMENT RATE TREND



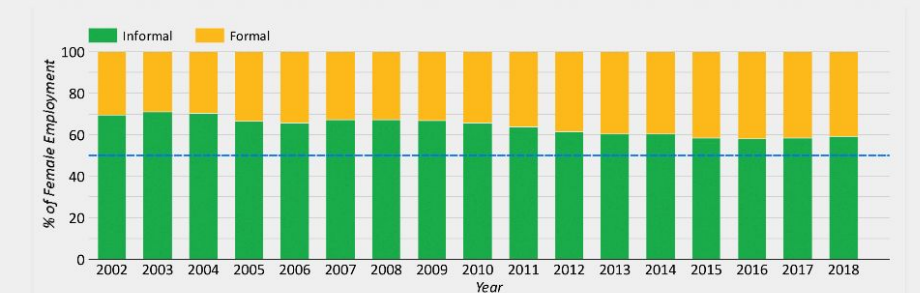
AVERAGE INDICATOR BASED ON GENDER

| | Life Expectancy | Literacy Rate | Human Capital Index |
|--------|-----------------------|-----------------|---------------------|
| Female | 71.09 | 90.32 | 0.51 |
| Male | 67.13 | 95.63 | 0.48 |
| | Age Marriage | Decision Making | Survival Rate |
| Female | 22.27 | 10.73 | 75.85 |
| Male | 26.45 | 30.99 | 68.16 |
| | Harmonized Test Score | Population | Mortality Rate |
| Male | 389.84 | 80,900,000 | 206.62 |
| Female | 405.53 | 79,700,000 | 153.31 |

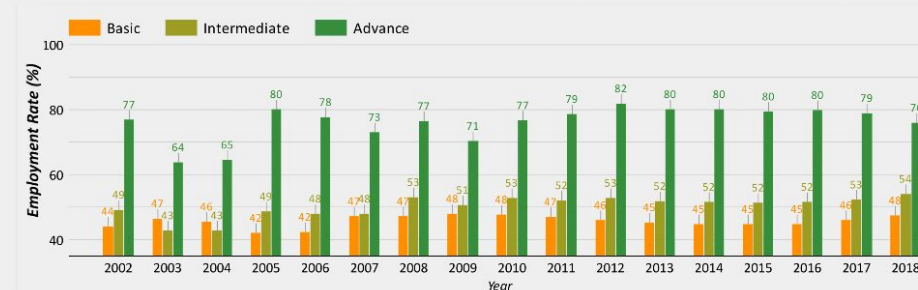
EDUCATION ENROLLMENT TREND



FORMAL AND INFORMAL EMPLOYMENT PERCENTAGE



EMPLOYMENT RATE WITH CERTAIN EDUCATION LEVEL



EMPLOYMENT RATE CORRELATION

| Indicator | Correlation |
|------------------------|-------------|
| Secondary Education | 0.93 |
| Bachelor Education | 0.91 |
| Life Expectancy | 0.91 |
| Survival Rate | 0.91 |
| Tertiary Education | 0.9 |
| Human Capital Index | 0.9 |
| Harmonized Test Scores | 0.9 |
| Prevalance to HIV | 0.89 |
| Literacy Rate | 0.86 |
| Master Education | 0.6 |
| Primary Education | 0.45 |
| Age Mariagge | -0.68 |
| Decision Making | -0.74 |
| Mortality Rate | -0.84 |

Applicable Law

| | | | | |
|--|---|--|---|--|
| Wife doesn't have to obey husband (1970) | Retirement age for men and women is same (1970) | Woman can get the same job as man (1974) | Discrimination prohibition on employment based on gender (2003) | Equal remuneration for male and female |
|--|---|--|---|--|

JOB RECOMMENDATION SYSTEM

| | |
|---------------|---|
| Input skill : | BA degree on computer field. My interest are in processing and analyzing data. I have 1 years internship experience in data science. I also have good english skills and i'm a diligent person. |
| Jobs match : | Product Analyst, Data Science (47% Match) |
| | Product Analytics Lead, Data Science (46,43% Match) |
| | Data Analyst, Product Trust and Safety (40,41% Match) |
| | People Operations Business Intelligence Analyst (40% Match) |

Learning Takeaways

Technical Skills that we learned in This Project

- Statistics
- Data Analysis
- Data Visualization
- Recommendation System

Soft Skills that we learned in This Project

- Team Work
- Time Management
- Critical Thinking
- Problem Solving



Conclusion

- Dashboard helps us to visualize our analysis about inequality of women and men in terms of fulfilling their life needs (work).
- There are correlating factors that has to be improved to increase the low employment of women
- Recommendation system helps women find career options based on their abilities and qualifications.



Thankyou !

