

Artwork/Project Title

**ASEAN DSE 2022:
'Reduce Carbon Footprint'**

Year Accomplished

2022

Role/Position

Data Scientist

Publication Link

<https://github.com/belindamutiara/Po>

Artwork/Project Description

Conducted research using SAP software to analyze the relationship between CO₂ emissions and GDP in Indonesia. It turns out that CO₂ and GDP have a positive relationship, the higher the CO₂ emissions, the higher the GDP value in Indonesia. Thus, we proposed a long-term solution to convert CO₂ into renewable energy, specifically methanol, by designing a machine that utilizes natural resources such as solar heat and water. The proposed method has the potential to reduce CO₂ emissions while simultaneously generating income through the production of renewable energy that can be utilized by the country.



Figure 1 Opening: "Reduce Carbon Footprint"

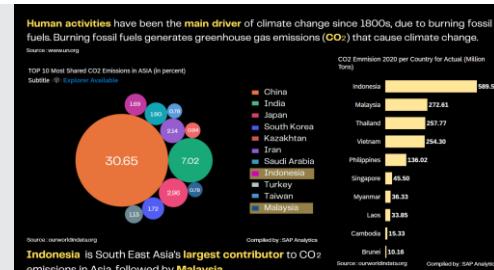


Figure 2 Indonesia ranks first in ASEAN as CO₂ Emitter

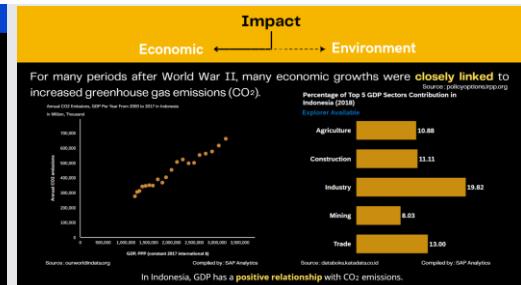


Figure 3 CO₂ has positive impacts on economic

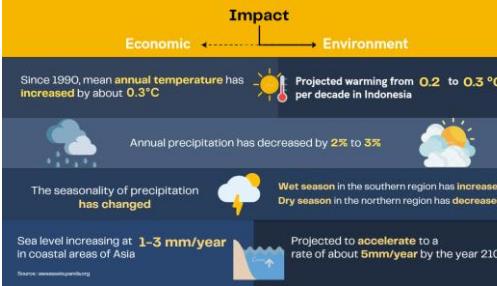


Figure 4 CO₂ has negative impacts on environment

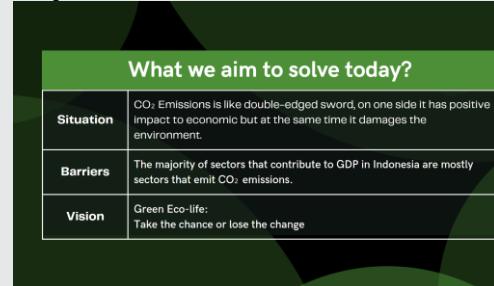


Figure 5 The situation, barriers, and vision



Figure 6 First Solution



Figure 7 Second Solution



Figure 8 Closing Statement

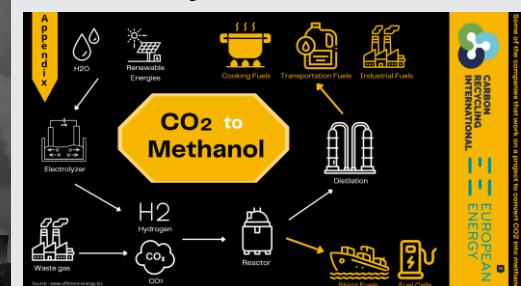


Figure 9 Appendix