UNEARTHING THE ENVOIRMENTAL IMPACT OF HUMAN ACTIVITY: A GLOBAL CO2 EMISSION ANALYSIS

LITERATURE SURVEY

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Introduction:

Carbon dioxide emissions or CO2 emissions are emissions stemming from the burning of fossil fuels and the manufacture of cement; they include carbon dioxide produced during consumption of solid, liquid, and gas fuels as well as gas flaring. Among these emissions, carbon dioxide (CO2) is the critical anthropogenic greenhouse gas due to its abundance and its ability to remain in the atmosphere for thousands of years .

Sources of CO2 emission:

CO2 and other Greenhouse gases trap heat and make the planet warmer. Human activities are responsible for almost all of the increase in greenhouse gases in the atmosphere over the last 150 years. The largest source of CO2 emissions from human activities and natural disasters

Literature Review:

- Climate change has become a considerable concern for humanity during this anthropocentric era. Climate changes causes many change is environment.(Riffat Sb, M.A, 2015)
- Urbanization is a dynamic process that changes rural areas into urban areas with an increasing number of people and the expansion of the built environment horizontally and vertically. (Bilal, M. Khan, Thaheem, M.J.; Nasir 2020, Sandanayake, M.; Zhang, 2019, Klufallah, M.M.; Nuruddin, M.F.; Khamidi, M.F.; Jamaludin, 2014)
- Indirect emissions are produced by burning fossil fuel at a power plant to make electricity, which is then used by an

- industrial facility to power industrial buildings and machinery.(Sher, E., 2020)
- Carbon dioxide in the atmosphere warms the planet, causing climate change. Human activities have raised the atmosphere's carbon dioxide content by 50% in less than 200 years(DARTHMOUTH LIBRARY, 2019.)
- Climate change cause an important impact on a rain fall. CO2 and other greenhouse gasses cause acid rain. Acid rain in very hrmfil for the human as well as aniamal and palnts. (Manes, F. 2003)
- CO₂ geological storage in deep rock formations is a possible strategy to mitigate the atmospheric CO₂ concentration. In storage sites, CO₂ is injected through wells. (, D. Wood, R.; Vita, G.; Tukker, A.; Hertwich, E, 2016)
- CO2 emissions act like a blanket in the air, trapping heat in the atmosphere, and warming up the Earth. (n Climate Change Special Report on Global Warming of 1.5 °C 2019)
- CO2 is also emitted from the broad utilization of land in the urbanization process. (FAO (2014) Climate, Energy and Tenure Division)
- Global NDC ambitions need to increase three-fold and fivefold, respectively. Given the political turmoil of climate negotiations, such increases are unlikely.(IPCC ,2014)

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