

ABSTRACT

DESIGN OF INTEGRATED WASTE PROCESSING PLACE AS A CITY PARK WITH A PLACEMAKING APPROACH

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Depok City faces a persistent and unresolved waste problem year after year. According to data released by the Central Statistics Agency of Depok City, Depok has a population of approximately 1.9 million people, projected to continuously increase annually, with daily waste production around 1,265 tons, primarily originating from household waste. Currently, Depok City has a final disposal site (TPA) in Cipayung with a maximum capacity of 1,000 tons per day, but it can only process about 300 tons daily. Consequently, the amount of waste in Depok City has exceeded the daily capacity of TPA Cipayung. The government's efforts to distribute waste to other processing areas around Depok City haven't significantly impacted the growing volume of waste at TPA Cipayung itself. By 2023, TPA Cipayung had accumulated over 3.5 million tons of waste and is estimated to have only about 4 months of remaining operational life as a waste processing site. Therefore, optimizing TPA Cipayung is crucial to resolving Depok City's waste issues.

Beyond the waste problem, the need for public spaces in Depok City is also pressing. With a continuously growing population, adequate public spaces are vital for improving the community's quality of life. Public spaces such as parks, fields, and recreational areas not only serve as places for relaxation but also as venues for social interaction, sports, and community activities. The presence of green and well-maintained public spaces can help reduce stress, improve mental health, and create a more comfortable environment. Furthermore, public spaces can function as water absorption areas, which are important for mitigating flood risks, especially given the high rainfall in this region. Therefore, investing in the development and maintenance of quality public spaces must be a priority for the Depok City government.

Keywords: Waste to Energy, TPST, Public Space