

# Strategi Konstruksi Berkelanjutan Pada Kondisi Pandemi COVID-19 (Studi Perusahaan Konstruksi PT X di DKI Jakarta) = Sustainable Construction Strategy in the Conditions of the COVID-19 Pandemic (Study of Construction Company PT X in DKI Jakarta)

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## Abstrak

Konsep konstruksi berkelanjutan menjadi penting untuk diterapkan seiring dengan bertambahnya kebutuhan bangunan. Masalah dalam penelitian ini kegiatan konstruksi di Indonesia paling dominan dilakukan di Provinsi DKI Jakarta, selain itu DKI Jakarta menjadi episentrum kasus COVID-19. Penerapan konstruksi berkelanjutan semakin kompleks dengan terjadinya pandemi COVID-19. Tujuan penelitian adalah menganalisis dampak pandemi COVID-19 pada aspek lingkungan, ekonomi, dan sosial di perusahaan konstruksi (PT X) di DKI Jakarta, serta merancang strategi konstruksi berkelanjutan pada kondisi pandemi COVID-19. Metode analisis yang digunakan statistik deskriptif, uji korelasi, dan analisis SWOT kuantitatif. Hasil penelitian ini peningkatan penggunaan air di proyek bertentangan dengan kriteria konstruksi berkelanjutan. Dampak pada aspek ekonomi penurunan pendapatan usaha, terdapat hubungan penundaan proyek dan gangguan produktivitas kerja. Dampak negatif pada aspek sosial, peningkatan risiko keselamatan dan kesehatan kerja, namun dampak positif meningkatkan kepedulian pekerja kebiasaan pola hidup bersih dan sehat, dan peningkatan penggunaan teknologi. Strategi menggunakan kekuatan internal untuk memanfaatkan peluang. Kesimpulan penelitian ini, pandemi COVID-19 berdampak pada peningkatan penggunaan air, penurunan pendapatan usaha, dan peningkatan risiko keselamatan dan kesehatan kerja. Strategi yang terpilih yaitu strategi kekuatan-peluang, teknologi dan inovasi berperan penting dalam upaya penerapan konstruksi berkelanjutan.

.....Implementation sustainable construction is essential along with demand for buildings. DKI Jakarta is the province with the highest construction value in Indonesia, but also the epicenter of the COVID-19 cases. The challenges to implement sustainable construction are more complex with the COVID-19 pandemic. Objective this research to analyze the impact of the COVID-19 pandemic on environmental, economic, and social aspects in construction company (PT X), in addition to developing sustainable construction strategies during the COVID-19 pandemic. Methods are descriptive statistics, correlation tests, and quantitative SWOT analysis. Result of this research shows an increase in water consumption in the project during pandemic, which is contrary to sustainable construction criteria. The impact on economic aspect is a decrease in business income, there is a relationship between project delays and disruption of work productivity. Negative impacts on social aspects, increased occupational health and safety risks, but positive impact increase workers' awareness of clean and healthy lifestyles. The strategy uses internal strengths to take advantage of opportunities. Conclusion this research, the COVID-19 has an impact on increasing water consumption, decreasing business income, and increasing occupational health and safety risks. The selected strategy of sustainable construction during the COVID-19 pandemic is strengths-opportunities strategy, technologies and innovation has important role for sustainable construction.