

## ABSTRAK

Penerapan *green construction* merupakan salah satu upaya dalam mengurangi dampak lingkungan akibat kegiatan konstruksi dan mendukung pembangunan berkelanjutan. Proyek pembangunan perumahan di Wilayah Ciamis Utara, Kabupaten Ciamis, perlu memperhatikan penerapan prinsip konstruksi hijau pada tahap pelaksanaan. Penelitian ini bertujuan untuk mengevaluasi tingkat implementasi *green construction*, mengidentifikasi indikator yang telah diterapkan dan yang belum optimal, serta menganalisis kontribusinya dalam mendukung pembangunan berkelanjutan pada proyek perumahan di Wilayah Ciamis Utara, Kabupaten Ciamis.

Penelitian ini menggunakan metode kuantitatif deskriptif dengan pendekatan evaluatif dan studi kasus. Pengumpulan data dilakukan melalui kuesioner, observasi lapangan, wawancara, dan dokumentasi pada 5 proyek perumahan. Data dianalisis berdasarkan enam variabel *green construction*, yaitu efisiensi energi, konservasi air, material ramah lingkungan, manajemen limbah konstruksi, kualitas lingkungan, serta aspek sosial dan ekonomi. Penilaian tingkat implementasi dilakukan dengan membandingkan skor yang diperoleh dengan skor maksimum.

Hasil penelitian menunjukkan bahwa tingkat implementasi *green construction* pada proyek perumahan yang diteliti berada pada kategori tinggi hingga sangat tinggi. Efisiensi energi memperoleh nilai 82%, konservasi air 79%, material ramah lingkungan 83%, manajemen limbah konstruksi 87%, kualitas lingkungan 85%, dan aspek sosial ekonomi 88%. Indikator *green construction* telah diterapkan, tetapi belum sepenuhnya optimal dan merata. Kendala yang ditemukan meliputi keterbatasan ketersediaan material ramah lingkungan, harga material yang relatif tinggi, keterbatasan alat dan teknologi, serta kurangnya pengetahuan dan kesadaran tenaga kerja mengenai *green construction*. Hasil penelitian juga menunjukkan bahwa penerapan *green construction* berkontribusi terhadap pembangunan berkelanjutan melalui efisiensi sumber daya, pengelolaan limbah, pengendalian kualitas lingkungan, serta perhatian terhadap aspek sosial dan ekonomi.

**Kata kunci:** *green construction*, pembangunan berkelanjutan, proyek perumahan, implementasi, Ciamis Utara.

## **ABSTRACT**

*The implementation of green construction is one of the efforts to reduce the environmental impacts of construction activities and support sustainable development. Housing development projects in North Ciamis, Ciamis Regency, need to consider the implementation of green construction principles during the construction phase. This study aims to evaluate the level of green construction implementation, identify indicators that have been implemented and those that have not been optimally implemented, and analyze their contribution to supporting sustainable development in housing projects in North Ciamis, Ciamis Regency.*

*This study employed a descriptive quantitative method with an evaluative approach and case study design. Data were collected through questionnaires, field observations, interviews, and documentation from five housing projects. The data were analyzed based on six green construction variables, namely energy efficiency, water conservation, environmentally friendly materials, construction waste management, environmental quality, and social and economic aspects. The level of implementation was assessed by comparing the obtained scores with the maximum possible scores.*

*The results showed that the level of green construction implementation in the housing projects studied ranged from high to very high. Energy efficiency achieved a score of 82%, water conservation 79%, environmentally friendly materials 83%, construction waste management 87%, environmental quality 85%, and social and economic aspects 88%. The green construction indicators have been implemented; however, their application is not yet fully optimal and evenly distributed across the projects. The main challenges identified include limited availability of environmentally friendly materials, relatively high material costs, limited equipment and technology, and insufficient knowledge and awareness of green construction among construction workers. The findings also indicate that the implementation of green construction contributes to sustainable development through resource efficiency, waste management, environmental quality control, and consideration of social and economic aspects.*

**Keywords:** *green construction, sustainable development, housing projects, implementation, North Ciamis.*