

ABSTRACT

This research is motivated by environmental damage and global warming caused by the construction industry. One of the efforts to overcome this is green building or green building which attempts to minimize negative impacts on the environment throughout the life cycle of the building, starting from planning, construction, operation, to demolition. The main principles of green building include land use, energy and water efficiency, use of environmentally friendly materials, waste management, and improving indoor air quality. The purpose of this study is to evaluate the implementation of green building in the construction project of the S UIN Sjech M Djamil Djambek Bukittinggi lecture building.

This research is a quantitative descriptive study, carried out by analyzing the existing condition of the building using the greenship existing building version 1.1 GBCI. The results of the study show that the S UIN Sjech M Djamil Djambek Bukittinggi lecture building has adopted the green building concept with a percentage of 38.5% assessment results and Bronze criteria.

Keywords: Green Building, Existing, Construction

ABSTRAK

Penelitian ini dilatarbelakangi oleh kerusakan lingkungan dan pemanasan global yang diakibatkan oleh industri konstruksi. Salah satu upaya mengatasinya ialah *green building* atau bangunan hijau yang berupaya meminimalkan dampak negatif terhadap lingkungan sepanjang siklus hidup bangunan, mulai dari perencanaan, konstruksi, operasional, hingga penghancuran. Prinsip utama dari *green building* meliputi tepat guna lahan, efisiensi energi dan air, penggunaan material yang ramah lingkungan, pengelolaan limbah, dan peningkatan kualitas udara di dalam ruangan. Tujuan penelitian ini adalah mengevaluasi implementasi *green building* pada proyek pembangunan gedung kuliah S UIN Sjech M Djamil Djambek Bukittinggi.

Penelitian ini merupakan penelitian deskriptif kuantitatif, dilaksanakan dengan menganalisis kondisi eksisting gedung menggunakan *greenship existing building* versi 1.1 GBCI. Hasil penelitian menunjukkan bahwa gedung kuliah S UIN Sjech M Djamil Djambek Bukittinggi sudah mengadopsi konsep *green building* dengan persentase hasil penilaian 38,5 % dan kriteria Perunggu (*Bronze*).

Kata kunci: *Green Building, Existing*, Konstruksi