

IMPLEMENTATION OF GREEN BUILDING CONCEPT IN SUMMARECON MUTIARA HOUSING IN MAKASSAR CITY

Andi Besse Opu*

Architecture Study Program, Faculty of Engineering, Bosowa University, Makassar
abesse@universitasbosowa.ac.id

Syamfitriani Asnur

Architecture Study Program, Faculty of Engineering, Bosowa University, Makassar
sfasnur@gmail.com

Abstract

The green building concept is a strategy to reduce global warming caused by the construction sector. The application of the green building concept is increasingly becoming an important topic in modern housing development to reduce negative impacts on the environment in improving the quality of life of its occupants. Green buildings not only focus on energy efficiency and waste reduction but also pay attention to the health of occupants and harmonious integration with the surrounding environment. The application of the green building concept in Summarecon housing has met the Green Building Council Indonesia (GBCI) standards, but due to the need for occupant space, the homeowner changed the green open area, which resulted in the house no longer meeting GBCI standards. This change was caused by the need for a lot of homeowner space, resulting in excessive electricity use and suboptimal air ventilation. This research method was carried out using a qualitative method, this study aims to determine the application of the post-occupancy green building concept in Summarecon Mutiara housing, Makassar City.

Keywords: Green Building, Housing, Settlements

INTRODUCTION

Buildings are one of the basic human needs and are commonly referred to as "shelters" in the terminology of basic needs such as clothing, housing, and food. However, it turns out that buildings also contribute to environmental damage caused by the loss of green space and agricultural land, the use of environmentally unfriendly construction methods and materials, and waste of thermal energy. These negative impacts can be minimized by implementing environmentally friendly buildings. Environmentally friendly buildings focus on environmental sustainability, paying attention to the negative and positive impacts on the climate throughout its life cycle, from design, construction, operation, maintenance, and renovation to the natural environment. The application of the green building concept is increasingly becoming an important concern in modern housing development. This concept aims to reduce negative impacts on the environment while improving the quality of life of its occupants. Green buildings not only focus on energy efficiency and waste reduction but also pay attention to the health of occupants and harmonious integration with the surrounding environment.