

ABSTRACT

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KEMAJUAN KONSTRUKSI DAN PEMILIHAN MATERIAL TAHAN API UNTUK SISTEM PROTEKSI KEBAKARAN PADA APARTEMEN EMERALD BINTARO TOWER C

PT Jaya CM is an engineering consulting company that operates in the field of construction management. This company is a subsidiary of PT Jaya Konstruksi, which was established in 1982. Initially, Jaya CM was part of the contractor division of PT Pembangunan Jaya, but over time, it became an independent entity and subsequently became part of PT Jaya Konstruksi. One of the projects undertaken by the practitioner during their professional work at PT Jaya CM is the Emerald Bintaro Tower C Apartment. This project is owned by Jaya Real Properti, where PT Jaya CM acts as the construction management overseeing eight contractors, six of whom are actively working on the project. The Emerald Bintaro Tower C Apartment is a balanced condominium type, consisting of 598 residential units and 21 kiosks on the ground floor, with a building area of approximately 23,400 m² and a height reaching 78.65 meters with a total of 24 floors.

In this project, practitioners are given the responsibility to carry out mapping on all existing floors and zones. The results of the mapping will be collected every week to be reported to PT Jaya Real Properti as the project owner. Supervision of project progress and the use of building material specifications in accordance with applicable industry standards is the main focus to ensure project progress is as planned. The materials used are also very important in a building's fire handling system, because materials with a certain level of resistance can increase the safety of occupants during evacuation in emergency situations such as natural disasters or fires. Thus, the role of practitioners in this project is very crucial to ensure that all aspects of construction run well and meet the specified safety and quality standards.

Keywords: *Profession Working, Apartment, Fire*