

ABSTRACT

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THE IMPLEMENTATION OF BUILDING INFORMATION MODELING (BIM)-BASED APPLICATION, COHOOM, IN RESIDENTIAL INTERIOR DESIGNS

The unit of the practitioner during the internship program, namely the Design Traffic Team, is responsible for every interior design and the processed images produced in it, including construction drawing and representation. During the internship program, the practitioner handled several residential interior projects with three main projects, that is: 1) Project W: Residential Kitchen Interior, 2) Project A: Residential Kitchen Interior, and 3) Project D: Residential Walk-In-Closet Interior. In working on all of the projects, the practitioner operates COHOOM, which is a Building Information Modeling (BIM)-based design application to produce construction drawings, representations, visualizations, and even cost estimates. The presence of BIM in Architecture, Engineering, and Construction (AEC) helps work efficiency between two or more parties. Besides that, it also minimizes conflicts that may arise between the stakeholders. As the internship program ends, the practitioner believes that BIM has a good influence on the welfare of residential interior projects by accelerating the design process. More than that, the practitioner believes that the university, especially The Architecture Study Program, could improve by actively implementing BIM in each course with the consideration that the BIM-based applications have grown in the development sector or AEC in Indonesia.

Keywords : COHOOM Appliacion, Implementation, BIM, Interior, Residential