ABSTRACT

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Urban Signature LRT City Apartment Development Project Phase 1, Method of Execution work and Calculation of Completeness of Ramp Beam Casting Volume 3rd Floor to 4th Floor.
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(xiv + 69 + Attachments)

Practical work is a mandatory requirement for students of the Civil Engineering Study Program, Faculty of Civil Engineering and Planning, Gunadarma University. Through the practical work program students can understand, experience, and visually understand work in the construction world. This practical activity is also an opportunity for students to apply and analyze the material given in lectures with realization and application in the field. The purpose of the practice is to know and get to know Civil Engineering in the field, as well as gain knowledge and experience in the world of work in the field of Civil Engineering, know how the methods or stages of building a project directly, know the organizational structure, division of tasks and authority in a project, know various tools and materials used and how to use them in the construction of a project. Existing conditions or activities carried out in the Urban Signature LRT City Apartment Development Project phase 1 during the implementation of the practice are the superstructure work stage. Columns, beams and floor slabs, ramps and precast facades are included in the superstructure work. The work starts from maintenance, determination of ramp beam points, scaffolding/scaffolding, formwork installation, fabrication and installation of ramp beam reinforcement, checklist by quality control, maintenance, maintenance, and finally maintenance. Volume requirements require careful calculation so that the costs already incurred out is not in vain and there is no wastage on any structural work. On the 3rd floor to 4th floor block ramp work the Urban Signature LRT City Apartment Development Project phase 1 requires 68,981m^3 of concrete.

Keywords: Method, Ram beam, Concrete Volume Requirement.