Abstract

Purwodadi I was building a bridge that connects the vertebra Panggungwaru Donomulyo Mataraman in the District of Malang Regency. This bridge has a span length of 25.6 m and a width of 11 m. I originally was Purwodadi bridge trusses with construction standards for the type of precast, precast concrete method. This bridge is used as an object of the final project, planned by the width of the bridge 11 m long and 25 m. Reduction in the length of the bridge aims to reduce the amount of soil excavation at abutment installation because of the distance between the edge of the river is less than 25m and simplify the calculation. Type of building the bridge beams used "T" reinforced concrete because the process of analysis easier. For the model calculation method of conventional concrete blocks used (reinforced concrete) for a study on the application of science to the Diploma in Civil Engineering in the form of conventional concrete. Types of buildings used for the foundation directly, due to the shallow depth of the hard soil of less than 2m. On the bridge will also be added to bridge wide pavements on each edge.
of the bridge 1m, because the possibility of the bridge is often crossed by pedestrians.

Keywords: Reinforced concrete, foundations directly