MODIFICATION STRUCTURE PLANNING
KASIMAN BRIDGE BOJONEGORO DISTRICT WITH
ARC STEEL FREAMWORK SYSTEM

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Abstract
The planning steel arch bridge of this final project is explain about the description of the planning process arch bridge, especially using a steel frame as it’s the main structure. In the preliminary, In begins an explanation of bridge type selection, formulation of the problem, planning purpose, limit the problem, until a benefit from built this bridge. Then explained about the basic planning guidelines used by BMS 1992 (BDM and PPTJ) and AISC-LRFD.

Of the existing data, planned bridge spans 180m with 2 lanes of vehicles, each 5m wide. Then preliminary design to determine the dimensions of the bridge. Early stage of planning is planning on building consisting of vehicle floor and sidewalk, longitudinal girder and transverse girder, then the construction of
the main bearer. Analysis performed with the program after loads acting on the construction to get the forced acting, especially the main bearer construction and secondary construction. After the force is known to control the amount of the calculated cross sections and calculations connection. Then performed planning under construction and foundation. 

Key words: Arc steel frame bridge