

# **ANIMATED COMPOSITE BRIDGE 3D ON THE BENGKALIS RIVER BRIDGE**

**Name of Student : Muhammad Shafwan**

**NIM : 4103171139**

**Supervisor 1 : Dedi Enda, ST., MT**

**Supervisor 2 : Boby Rahman, M., Ars**

## **ABSTRACT**

The Bengkalis river bridge, which is 14 meters long and 7 meters wide, is a bridge that connects the Bengkalis road. This bridge suffered damage to the pillars of the bridge and the abutments, so the bridge would not last for a long time. Therefore, the bridge needs to be re-planned.

This research is a qualitative research that will explain the method of implementing composite type bridge work with the final result, namely a 3D animation video.

The result of this research is that a 3D animation video is formed which explains the method of implementing the composite method bridge work starting from mobilization, dismantling the old bridge, diversion of traffic flow, installing piles and casting the work floor, abutment work, laying steel profiles, joining steel profiles, welding of shear connectors, road plate work, oprit, tread plate, asphalt laying, and finishing.

Keywords: composite bridge, bridge implementation method, bridge reinforcement, and 3d animation.