ABSTRACT

Kandangan river is one of sub rayon in Kandangan, that system of drainage often frequent flooding. It is caused by the changes of using land and drainage system that doesn’t flow smoothly. In the other hand, there is also influence of back water from Lamong’s bay. The existing capacity of Kandangan river is 42,24 m³/sec, while the flowing flood discharge is 75,44 m/sec. So that, the excess of water flooded in the areas and it makes the water can’t flow by gravity toward the sea. To overcome the excess of discharge flow, normalizing of river Kandangan. To prevent the flooding in the lower reaches, planned the capacity of boezem is 197715,7 m³ with 7 pump as a equip with capacity 1,05 m/sec and also 20 water gate 2 m x 3 m with high open 1,2 m.

Keywords: Drainage, Back Water, Kandangan river, Boezem, Pump, Water Gate.