

# WATERSHED UPSTREAM FLOOD CONTROL ON KEBONAGUNG SURABAYA

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## ABSTRACT

Drainage system is a system created to deal with the issue of excess water that is above the ground surface and the water under the surface of the water . With the urban development , increasing drainage system problems .

Therefore , it needs good drainage planning that urban development is not detrimental to the existence of all . Kebonagung Surabaya is the primary channel that originated from irrigation channels into a drainage channel . This time so switching function change due to the changing times that of agricultural areas into residential areas .In because the people who are there more and more make this time could not accommodate discharge due to fewer open land . Here the authors do a way to cope with flooding by reversing the direction of flow ranging from Ahmad Yani street up to the time of Surabaya . The author makes the bin with the help of a pump to move the water at all times surabaya bin .

For the calculation of the discharge and compared with the calculation of bank full capacity . From there it can be in the know which channels are not able to accommodate the discharge plan . And calculate the maximum discharge that occurs to make the bin and find out how many pumps are in use with its capacity .

Keywords in this final project is " Flood Control , Drainage Systems " .

