ABSTRACT

Plans of drainage system in Surabaya Carnival & Night Market (SCNM) is meant to control debit from SCNM area or Perbatasan river as an outlet of SCNM drainage system.

Before there is SCNM, debit inside area is 1,17 m³/dt, in Siwalankerto river is 2,75 m³/dt and Perbatasan river is 19,889 m³/dt. After there is SCNM, debit inside the area of SCNM is 1,99 m³/dt, in Siwalankerto river is 3,52 m³/dt and Perbatasan river is 20,046 m³/dt. After all of counts flood debit-plans dan full bank capacity have a result that there is no flood in SCNM and Perbatasan river.

From counting of drainage system in SCNM required a capacity-pool with 4446 m³ of capacity and there is no backwater cause in outlet SCNM of drainage system. Also requires a good maintenance on each drainage system.

Keywords: "Drainage System, Debit-Plans, Pool-Capacity, Back Water, Maintenance".
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