

## **ABSTRACT.**

*Siliwangi University is a university located on Jalan Siliwangi, Tasikmalaya City. Inundation often occurs in the campus area, so it can interfere with the mobility of students or other education actors. Inundation is caused by reduced water catchment areas, construction of new buildings and the increase in concrete buildings at Siliwangi University, so that rainwater cannot be absorbed by the soil. Siliwangi University requires an environmentally friendly drainage system to overcome this. Making infiltration wells is one solution to reduce inundation water reserves. Calculation of infiltration wells using the sunjoto method, analysis of the capacity of the existing drainage channel is carried out by simulation using the EPA SWMM 5.1 application to determine of the existing drainage channel, the soil permeability test at the research site is carried out by making test wells, and calculating the budget plan (RAB). The result of the analysis of the capacity of the drainage channel, there are 5 overflowing channels out of total of 48 the existing drainage channel, there are 5 overflowing channels*