

# ENGINEERING REGULATION OF AUTOMATIC FLOW DISPOSAL SYSTEM IN SIDOHARJO VILLAGE SAMIGALUH KULONPROGO PRIVATE VOCATIONAL SCHOOL, YOGYAKARTA

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## ABSTRACT

This service activity was carried out as part of an effort to realize the development of tourist villages in Sidoharjo village, Samigaluh District, Kulonprogo, Yogyakarta. The purpose of this community service activity is: to produce the design of an automatic embung water drainage system, to know the performance of the embung water disposal system, and to apply the engineering technology of the automatic embung water drainage system in Sidoharjo village.

The method used in this service activity is the engineering design of the embung water discharge control system, with the target group of services being the Sidoharjo village community, especially the village apparatus of Sidoharjo Samigaluh Kulonprogo. Some stages, in this service include: observations to conduct needs analysis, develop system design and implementation, test and repair the system so that it can operate properly.

Through this service activity is produced: 1) Engineering design of automatic embung water drainage system in Sidoharjo village is ready to be implemented. 2) The performance of an automatic embung water discharge control system in Sidoharjo village shows a fairly good performance, especially in the transmission of wheel rotation by the rotation of the drive motor wheels. 3) Overall the engineering of the automatic embung water system has not been implemented perfectly, because it is still constrained by the external factors of the service team

Kata Kunci: *embung, sistem, pengaturan, pembuangan air, otomatis*