

Perilaku dan keamanan bendungan Notopuro akibat pengaruh longsor dan deformasi

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20439919&lokasi=lokal>

Abstrak

A safety evaluation of the Notopuro dam in East Java was carried out based on a combination of field inspection, instrument evaluation, and slope stability analysis. The small value of field parameters is particularly caused by the influence of condition function such as piping of the dam body and foundation, and stability of dam. The evaluation results were then presented in the form of importance factor (Idam), total risk index (IRtot) and dam safety value (Naman). The Notopuro dam showed an importance factor (Idam) of 240.00, total risk index (IRtot) of 106.61 and dam safety value (Naman) of 55.58, identifying the unsatisfied condition of the dam. The risk index tool shows priority improvement of the Notopuro dam embankment because of the deformation and sliding. The dam needs therefore further investigation as well as design improvement, and rehabilitation of dam has to be carried out as soon as possible.