

# PENGENDALIAN PERPINDAHAN ALIRAN SUNGAI KOMERING RUAS TANJUNG MAS - CAMPANG TIGA

Adenan Rasyid

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Telah dipertahankan di depan Dewan Penguji  
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Pembimbing Utama

**Dr. Ir. Istiarto, M.Eng**

Pembimbing Pendamping

**Dr. Ir. Bambang Yulistiyanto**

Anggota Dewan Penguji Lain

**Dr. Ir. Djoko Legono**

## ABSTRACT

The Komerling River stream along Tanjung Mas and Menanga area has moved to a new channel on the left side from the main river. This has caused a no-flow condition during dry season but a flooding condition during wet season. Countermeasures have been proposed, the design of which is analysed hydraulically in this study.

The study deals with flow simulation along Menanga – Campang Tiga reach by using HEC-RAS package program.

The study shows that the normalization of Komerling River along Menanga-Campang Tiga and the construction of free intake structure at Tanjung Mas and Menanga will be able to control the river flow in the Komerling River along Tanjung Mas and Campang Tiga. The minimum discharge at Campang Tiga will increase from 1.5 m<sup>3</sup>/s to 23.7 m<sup>3</sup>/s. The flood water level at the Menanga control point will decrease from +44.40 m to +44.05 m, and that at the Campang Tiga control point will increase from +38.56 m to +38.67 m.

**Keywords :** *flow simulation, flood control, river works*