

# **PENGENDALIAN BANJIR SUNGAI CIUJUNG DI PROPINSI BANTEN**

**Paino**

12191/PS/MPBA/03

Telah dipertahankan di depan Dewan Penguji  
Pada tanggal 27 Desember 2004

**Pembimbing Utama**

**Prof. Dr. Ir. Bambang Triatmadja, DEA**

**Pembimbing Pendamping**

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## **ABSTRACT**

The Ciujung river with total catchment area 1,850 km<sup>2</sup> and a river length about of 142 km has three major tributaries Ciberang river, Cisimeut river and upper of Ciujung river. Situated between the east longitude of 106 0 00' and 106 0 30' and the south latitude 06 0 00' and 06 0 00 and 06 0 40'.

The biggest flood occurred on 9 February 2001 caused flooding areas of settlement 5,930 houses, paddy fields 4,290 ha, fishponds 150 ha, industrial areas 20 ha, and Jakarta-Merak highway km.56 to km.59. This research analysed flood routing by software HEC-RAS 3.2 to routed water surface profile conditions of existing, design and existing witch discharge divided to Ciujung lama river.

Flood discharge divided to reach Ciujung Lama river decreasing water surface profile on the down stream Ciujung River. The kinds of other important to optimizing hydrologists functions to increasing ecological system.

***Keywords: Flood Control, water surface and ecological.***