

# MITIGASI BENCANA ALAM GERAKAN MASSA ( MASS MOVEMENT) DI KELURAHAN BELAKANG BALOK KOTA BUKITTINGGI

Nurbaiti

18950/PS/MPBA/2006

Telah dipertahankan di depan Dewan Penguji  
Pada tanggal 6 Januari 2009

Pembimbing Utama

**Prof. Dr. Ir. Kabul Basah S, Dip. HE, DEA**

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## ABSTRACT

The Belakang Balok district is one of the sub-district residing in precisely periphery of Ngarai Sianok. Bank of Ngarai Sianok often experience of slided especially when triggered by earthquake, like that happened on 6 March 2007 ago, although do not generate many victims ( 4 people pass away and destroy some of settlement of resident), slide this remain to generate panicity for local society.

The research done at 8 perception dot pursuant to Map of Topography scale 1:25.000, to know mechanism and factors the happening of land;ground movement [in] area of penelitian. Is later;then [done/conducted] [by] measurement of resident well to get height of ground water face. Geology data processed [by] lah yield map of geology, while ground water face data processed lah to yield map of hidrologi. Later;Then both this map is added with map of geomorfologi [in] overlay to get map of gristle of bencana.Untuk the calculation bevel stability use program of SLOPE / w.

Result research of menunjukkan that slide happened [at] Set Of Hilly Area have Precipitous Bevel [to] which many there are strong as factors of pengontrol the happening of slide, type slide [in] this area is and slid of fall because bank condition of Sianok very precipitous and high and also there are bank hanging effect of erosion of lateral of River of Sianok, besides bevel stability influenced by ground water face of existing resident well around research location, triggering the happening of slide added with earthquake factor which often happened [in] research location resulting degradation of peaceful factor [of] bevel by isn't it. Correct Mitigasi [is] this area is the non physical in the form of natural conservation and policy of Local Government will the prohibition order opening settlement by the side of Bank of Ngarai Sianok, and also cartography of disaster gristle.

### **Keyword :**

*Slide, Mechanism, Mitigasi.*