

# STUDI IDENTIFIKASI PENYEBAB LONGSOR DI BOTU

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**ABSTRACT:** *Gorontalo Province's morphology is steep mountain and undulate to west-east which is formed of igneous rock, sedimentary rock and metamorphic rock with geology structure is fault that actively. Generally, land structure of Botu's slope is residual soil, result of rock corrosion and colluvial deposition. It was susceptible to landslide. It was also detached and able to keep the water. Therefore, strength of slide is weak, especially if the water is saturated. On cases Botu slide, the slide always happen in rainy. In general, it was caused of high rainfall with certain duration, so cause the stability of slope is disturbed. Other causes is drainage system that is not have a function because it was closed by some material from the slope that delivered by water. Hence, the water polish slope.*

**Keywords :** *slide, slope, rain, infiltration, drainage.*