

GEOLOGI DAN STUDI STRUKTUR GEOLOGI
DAERAH BOTORECO DAN SEKITARNYA, KECAMATAN
KUNDURAN. KABUPATEN BLORA. PROVINSI JAWA TENGAH

SARI

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Development geological structures could provide information on changes in geological conditions and provide good information about the geological history that occurred in the Botoreco . Rock type and structure contained in the formation can describe the relationship between rock formations and depositional environment.

Based on structural analysis performed in this case is stocky and position of rocks, obtained the direction of the main affirmation that leads north – south, and the result is the anticline folds. From the data it can be known anticline relationship calcareous sandstone unit Ledok, napal unit Mundu, and claystone unit Lidah. formation research areas included in the Rembang Zone, with research sites located in the southern part. Carefully situations region has undergone a process of erosion that many outcrops encountered less specific for perusal.

Based on the results of the descriptive analysis of the morphology of the landscape in the area of research, it can be concluded that the drainage pattern that developed was subparalel. This research area can be divided into three sub-units of geomorphic namely: sub-unit of alluvial plains (S1), the sub unit being eroded hills (D1) and a sub-unit of hills eroded weak (D2).

In the area of research in getting the three lithologies, from old to young, namely: calcareous sandstone unit Ledok old N18-N19 (Miosen Akhir), marl unit Mundu old N18-N21 (Miocene Pliocene Finally End) and claystone unit Lidah N21-N22 (Pliocene late - Pleistocene)

Geological structures developed in the research area that has a stocky Consist general direction relative north-south, and folds in the form of the anticline formed by tectonic kompresidengan north-south trending sharpness are expected to take place in the Plio-Pleistocene epoch.

Geological potential of the area carefully situations are divided into two, namely: potens positive geology for example drilling oil wells, while the geological potential of the negative form of the ground motion.