

GEOLOGI DAN FASIES BATUGAMPING FORMASI PARIGI, DAERAH PALIMANAN DAN SEKITARNYA, KABUPATEN CIREBON, JAWA BARAT

ABSTRAK

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Batugamping sering tidak diperhatikan manfaatnya. Batugamping sendiri memiliki manfaat di beberapa dunia industri, salah satunya dijadikan bahan utama semen. Semen sangat bermanfaat yaitu sebagai bahan perekat dalam bangunan. Dalam penelitian kali ini bertempat pada wilayah PT Indocement Tunggal Prakarsa Tbk Cirebon *Plant*. Daerah Penelitian terdapat pada Formasi Parigi yang berupa Batugamping dengan penelitian yang dilakukan yaitu Fasies Batugamping agar mengetahui fasies apa saja yang berkembang pada formasi ini. Daerah penelitian memiliki luasan 3 km x 3 km, dan terletak secara 0210900 mE -0213900 mE dan 9255500 mN -9258500 mN pada proyeksi UTM Zona 49S.

Metode yang digunakan adalah pemetaan, yaitu pengambilan data morfologi dan geologi. Daerah penelitian memiliki pola pengaliran Radial (RDL) dan Sub-parallel (SP). Daerah penelitian ini memiliki enam bentuklahan yaitu, Bukit Denudasional (D1), Bukit Terisolasi (D2), Quarry (A1), Penimbunan Tambang (A2), Pemukiman (A3), dan Endapan Alluvial (F1).

Satuan batuan yang terdapat pada daerah penelitian yaitu Satuan Batugamping, Satuan Andesit, dan Satuan Endapan Aluvial. Fasies Batugamping yang berkembang pada daerah penelitian yaitu Fasies Packstone, Algal-Packstone, Foram-Packstone, Wackestone, Mudstone, dan Boundstone.

Potensi yang terdapat pada daerah ini adalah potensi positif berupa hasil tambang dan geowisata, dan potensi negative berupa longsor.

Kata Kunci : Fasies Batugamping, Formasi Parigi

**GEOLOGY AND LIMESTONE FACIES
PARIGI FORMATION, PALIMANAN AREA AND ITS
SURROUNDING, CIREBON REGENCY, WEST JAVA**

ABSTRAK

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Limestone usually not being noticed much for its benefits. Limestone has many benefits for the industrial, one of its benefit is as cement raw material. Cement is very important to be used as adhesive for buildings. In this research located on PT Indocement Tunggal Prakarsa Tbk Cirebon Plant. The research area is located in Parigi Formation which consist of Limestone and the research being done is about Limestone Facies to understand what are the kind of facies that developed in this formation. Research area has 3 x 3 km area, and located in 0210900 mE - 0213900 mE and 9255500 mN - 9258500 mN on the UTM Zone 49S projection.

Research method being used is mapping, which is morphological and geological data accquisition. Research area has Radial (RDL) and Sub-Parallel (SP) drainage pattern. This research area consist of six landform, Denudational Hill (D1), Isolated Hill (D2), Quarry (A1), Mine Hoarding (A2), Settlement (A3), and Alluvial Deposit (F1).

Rock units in the research area are Limestone Unit, Andesite Unit, and Alluvial Deposit Unit. Limestone Facies that developed in the research area are Packstone Facies, Algal-Packstone Facies, Foram-Packstone Facies, Wackestone, Mudstone, and Boundstone.

Potential that available in this area are positive potential such as mining product, geotourism, and negative potential such as landslide.

Keyword : Limestone Facies, Parigi Formation