

AIRTANAH DI PESISIR DAN PULAU-PULAU KECIL

Oleh:

Robert M. Delinom & Rachmat Fajar Lubis
Pusat Penelitian Geoteknologi - LIPI

ABSTRACT

As an archipelago country, Indonesia has more or less 18,300 island, huge and small, with coast line around 80,000 km. Out of 33 provinces, only Jogjakarta has no island within their administration area.

One of government policy target is to develop Indonesia to be industrial country without loosing their activity in agriculture and fishery. This condition has increased the exploitation on groundwater resources in coastal area and small island. Based on economic consideration, these area has been developed as an economic base although the groundwater resources is very limited.

Begin with that phenomenon , study of groundwater resources potential as one of hydrology component in coastal area and small island is necessary. Concerning this circumstance, Research Center for Geotechnology – LIPI has executed some research regarding this matter since the year of 1986.

In this paper, groundwater classification, exploration and exploitation techniques that connecting with groundwater resources potential and its problems, will be discussed.

Key words : Coastal area, Small island, Groundwater, Classification, Exploration, Exploitation