A Brief History of GeoPangea Research Group

Agung Budiman, Iqbal Fardiansyah and Leon Taufani
GeoPangea Research Group (GPRG) Indonesia
Corresponding Author: ogepz_tama@yahoo.co.id

INTRODUCTION

GeoPangea Research Group (GPRG) is an independent research group founded on May 31st, 2010, led by ideas from young and passionate geology students of UPN "Veteran" Yogyakarta. The group is supervised by Dr. C. Prasetyadi, a faculty member of the Geology Department, as well as a mentor to all research-related activities conducted by GPRG. This group aims to contribute to scientific knowledge in numerous aspects of geosciences (i.e. regional geology, sedimentology and stratigraphy, structural geology, tectonics, etc.) by performing research and demonstrating their application in hydrocarbon exploration. The results of our research are documented as published papers and articles in various journals and scientific conferences of both regional and international levels.



Figure 1. *Some photos of GPRG's field work activities. (a) and (b) outcrop observations ; (c) and (d) example of modern sedimentological study of lagoonal deposits.*

GPRG RESEARCH FOCUS

The focus area of GPRG is primarily on field and experimental-based research (Figures 1 and 2). To date, there are more than twenty professional papers and articles that have been published by GPRG, with the first research conducted in late 2010, entitled: *Sedimentology of Parangtritis Coastal Dunes and Stream Table Analogue for Fluvial-Deltaic Morphology* (Figure 2a). Since then, this group keeps consistently developing experimental sed-strat analyses and structural analogue modeling within the loop of research projects (Figures 2b and 2c). GPRG currently employs eight professional researchers and six undergraduate students of UPN "Veteran" Yogyakarta. Research projects are internally funded by the members' monthly dues and supported by the laboratory facilities of the Geology Department, UPN "Veteran" Yogyakarta. Any questions/interests related to our research group can be addressed to us via the website : www.gprgindonesia.wordpress.com.



Figure 2. *Experimental-based research of GPRG, which is facilitated by laboratories of the Geology Department, UPN "Veteran" Yogyakarta. (a) Stream table analogue for fluvio- deltaic morphology (2010) ; (b) Flume tank modeling to reconstruct chronostratigraphy within growth-faulted delta system (2011) ; and (c) Sandbox analogue for structural kinematics and geometry identification (2012).*