Information of APPLIED RESEARCHES University of Pembangunan Nasional "Veteran" Yogyakarta



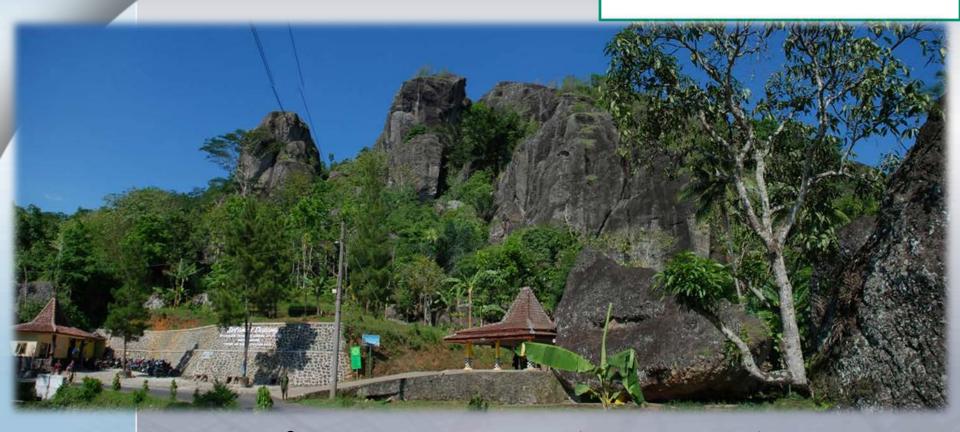
- Geoheritage of Yogyakarta
- Old Oil Well (Suspended Well)
 Management
- New Natural Coloring for Batik

Menyingkap "Jogja riwayatmu dulu ... dulu sekali" dengan mengamati keistimewaan

GEOHERITAGE JOGJA



Oleh:
TIM GeoHeritage
UPN Veteran Yogyakarta



Geoheritage of Yogyakarta and Surrounding Area

Objective:

To identify areas of Yogyakarta and surroundings that can be promoted as Geoheritage

Aspects to be concidered

→Education & Research:

Natural laboratory for education and research esoecially in the subject of earth science

→ Information Source:

Socialization of "geo-heritage" in order to develop public appreciation and awareness on ancient natural prints, siap dan waspada to facing future geo-disasters





Contents lists available at ScienceDirect

Lithos

journal homeoage: www.elxevier.com/locate/lithos



A Toba-scale eruption in the Early Miocene: The Semilir eruption, East Java, Indonesia

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EXPLORING JOGJA GEOHERITAGE: THE LIFETIME OF AN ANCIENT VOLCANIC ARC IN JAVA

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Abstract

In addition to their art and cultural heritages, Jogla and surrounding areas have also an important and





- **→**Culture: Earth conservation
- **→**Tourism: Special interest of tourism
- → Triggering econimic developmen → Sustainable developmen

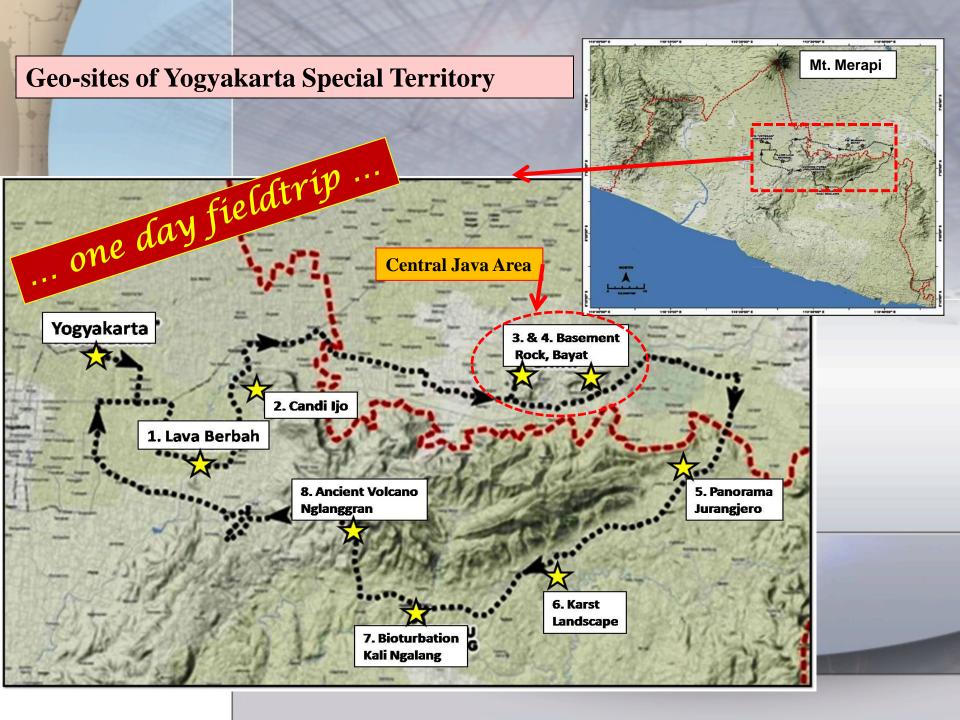






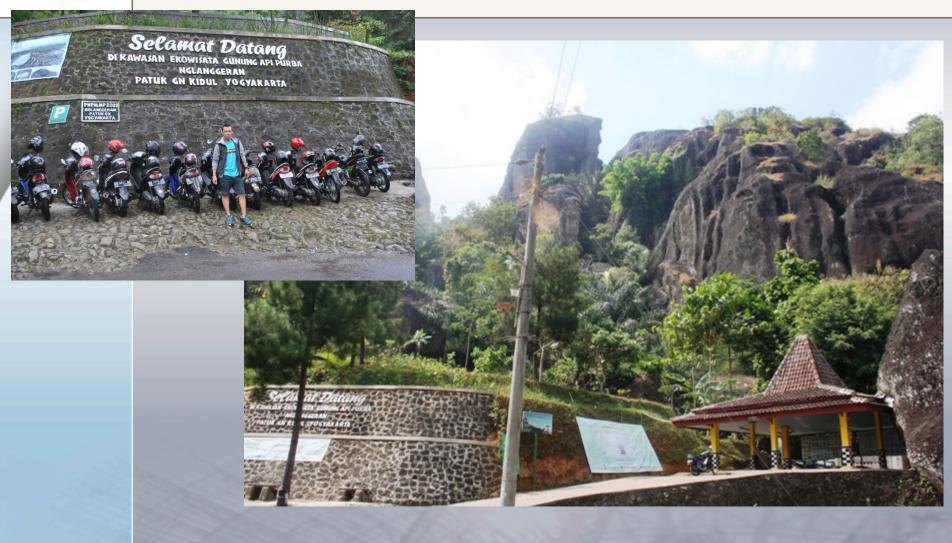
5. Manganese Mining of Kliripan







6. Ancient Volcano: Nglanggran



Suspended-(Old)-Oil-Well-Management

- Since 1 decade ago, the national oil production constantly declines. It caused by:
 - 1. The existing oil fields have been already "mature"
 - 2. No more significant oil field discoveries
- 3. Drilling development activity cannot be realized as that of the planning (due to regulations conflict)
- → There are many suspended (old) wells in Indonesia (developed during Dutch colonization), arround 13,000 old wells spreaded from Aceh, Riau, South Sumatera, West Java, Central Java, East Java, east Kalimantan, Moluccas, and Papua. Now about 1020 have been reactivated, the rest are not managed yet.
- The potency of suspended (old) wells that can be reactivated is arround 1200. in KTI



OBJECTIVE OF THE RESEARCH

To introduce and apply a simple technology that is nowadays developed by UPN "Veteran" Yogyakarta, in order to contribute the increasing of National oil production

MAP SHOWING THE DISTRIBUTION OF OLD WELLS IN INDONESIA







Evaluation and modification in order to optimize the performance are continuously done.

Now the RIG is used to reactivated the suspended wells in Cepu field, and has been got the operational approval by Ditjen Migas (Oil & Gas Directorate General.



KDD-04 WELL, KEDINDING FIELD (2009)







UPIN VEIERAN IUUIARARIA

KDD-04 WELL, KEDINDING FIELD (2009)







NG-06 WELL, NGUDAL FIELD







NG-06 WELL, NGUDAL FIELD









REACTIVATION OF SUSPENDED WELL by HAMMER DRILLING (2009)











THE USE OF ESP (ELECTRIC SUBMERSIBLE PUMP/175 TO REACTIVATE SUSPENDED WELL

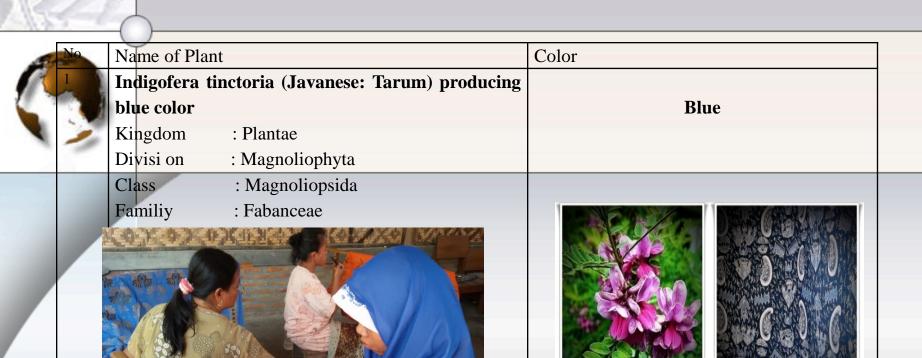


SUBSTITUTION OF CHEMICAL COMPOUND COLORING FOR BATIK BY NATURAL COLORING WITH PLANT OF INDIGOFERA TINKTORIA

(LPPM UPN VETERAN YOGYAKARTA)

OBJECTIVES

- To avoid the environment from negative effect of the use of chemical compound coloring.
- To optimize the function of critical land for sustainable development
- To increase the economic value of local vegetation.
- To increase the prosperity of rural community





Audiensi Bapeda Bantul, LPPM UPN "VETERAN" YOGYAKARTA



Kingdom : Plantae

Divisi on : Magnoliophyta

Class : Liliopsida

Family : Arecaceae

Pinang is a plant that widely spread in various regions of Indonesia. Natural colors produced by it is red. The color obtained from the powder of the pinang seeds. The plant is cultivated by planted. Planting takes a long time, because these plants like palm trees, and therefore these plants can only be used if the plant is already mature enough.





Red





TANK YOU FOR YOUR ATTENTION