

# NIE mGEO

## Observation Study of Biodiversity for Grades 9-11 in Batam

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In November 2013, a group of students from Sekolah Global Indo-Asia visited Nippon Steel for their field trip. The goal was to gather information for their research paper, entitled Fuel and Energy, and Biodiversity and Ecosystem Loss. The research question was "How does fuel and energy production affect the existing biodiversity of Batam?".

The students were excited to learn how a multi-billion dollar industry produces oil in a way that protects the environment and precious aquamarine life. During the journey by boat, the students observed tons of metals being used for oil extraction, drilling, and manufacturing.

With the NIE mGeo app downloaded onto their tablets and phones, it was fascinating to watch the students deeply engaged in taking pictures, captioning, describing, and using the mGeo built-in map to reference their exact location.

This was the first time the students used a location-learning app. They were so highly motivated that they needed no reminder on what to do. That gave the teacher time to check the data collected in the NIE mGeo portal.

The app not only made the research task enjoyable for the students, it also reduced time in collecting data for the research paper. The process of taking pictures and data, and uploading them online for sharing were simple and efficient. The NIE mGeo app made data collection a fun and efficient learning experience.



If you would like to find out more about this application, do send us an email via [celapps@nie.edu.sg](mailto:celapps@nie.edu.sg). Stay tuned for upcoming issues on other useful applications that you might use in your teaching.

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