

ABSTRACT

In Indonesia, requirement of petroleum always increased, this condition is different with petroleum production. Petroleum production in Indonesia frequently decreased. When it being neglected, Indonesia will suffer from petroleum shortage thus it will be needed for petroleum reserves to increasing petroleum production. But, to achieve such a goal is not an easy one. There are some stage that needed to get petroleum reserve, there are investigation, exploration, feasibility, etc. but each procedure are expansive.

The expected outcome from using Ordinary Kriging in this final project is may predict the petroleum reserve location and can reduce cost that needed to get next petroleum reserve. This is because of the phase on prediction of petroleum reserve is include on exploration stage.

Keyword: Geostatistics, Kriging, Ordinary Kriging, Spatial, Petroleum, Exploration