STUDY CARTOGRAPHICAL OF THE COMMERCIAL MAP REVISED FROM SNI 6502.2:2010 AND SNI 6502.3:2010
( region: Gerbangkertasusila )

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ABSTRACT

Gerbangkertasusila (Gresik, Bangkalan, Mojokerto, Surabaya, Sidoarjo, Lamongan) is the city development area. The development begins from Surabaya then spread to the surrounding area. There are still some local government agencies that use commercial map as a basis for regional planning, the lack of knowledge about cartographic standards that should be used in the map. Commercial maps as a thematic map in the making refers to the base map is used, so that in general rules for the specification of thematic maps follow the rules of the specifications used by base map.

SNI 6502.2:2010 and SNI 6502.3:2010 are documents of Indonesia National Standard (SNI) areas of geographic information / geomatics. Cartographic study of the commercial map conducted to determine the suitability of cartographical Gerbangkertasusila commercial map based on Indonesia National Standard (SNI). Tested with precision scale horizontal accuracy can be obtained on the commercial map. The final goal this final assignment are conclusion how much (percentage) in terms of the suitability of commercial cartographic map as Gerbangkertasusila of SNI and horizontal accuracy.

The results of this study indicate that commercial map is more prominent in the color so that map is considered communicative, realistic and easily understood by users. But the symbols used are
not up to standard. Commercial suitability map symbols to SNI only 11.5%. Judging from the cartographic map techniques on a commercial concept is still considered less qualified views of the absence of datum, coordinate systems, map projections and grids, the horizontal accuracy is far from standard SNI. RMS-error of commercial map still far from the corresponding tolerance on SNI (0,3mm x number scale). This map is not eligible geographic information, especially if used as a reference standard of regional planning.

**Keywords**: commercial maps, cartographic, SNI