

Projection of Geospatial Human Resources in Indonesia until 2025

Fahmi Amhar, Suprajaka Suprajaka, Sumaryono Sumaryono, Budi Susetyo and Iksal Yanuarsyah (Indonesia)

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SUMMARY

In the next decade, there are lot of changes in geospatial landscape in Indonesia caused by the rise of new technologies, challenges from global climate change, coming of global market and also some new regulations after enacted of Indonesian Geospatial Law in 2011.

In 2014 and 2015, we have measured the preparedness of geospatial human resources in Indonesian government and industries. Their competence is measured to national standard of working competence, using self estimation. Some problematics for the industries is also captured. This research used methods of stratified- & purposive random-sampling in nearly all provinces in Indonesia and the questionnaires are filled by hundreds respondent.

The surveys give accurate information about distribution of geospatial human resources and industries in some aspects: expertise field, expertise level and location. Some expertise fields such as photogrammetry, hydrography and GIS software development, still need high number of human resources. However, industries in this expertises have also good competitive advantages in global market.

This paper discuss also how the demand will be fulfilled for the next 10 years with a simulation based on assumption in population growth, economic growth, effect of technology and global market development. This simulation will be usefull for policy making in geospatial education and manpower.