

Indonesian Geospatial Reference System 2013 and Its Implementation of Positioning

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SUMMARY

Since National Coordinating Surveys and Mapping Agency (BAKOSURTANAL) established on October 17th, 1969, Indonesia has many datum for mapping and surveying. Nowadays, after BAKOSURTANAL has been transformed to Badan Informasi Geospasial (BIG), we have released a new datum, that we called Sistem Referensi Geospasial Indonesia 2013 (SRGI 2013). An old datum, Geodesi Nasional 1995 (DGN 1995) has been replaced by SRGI 2013. These datums are different, SRGI 2013 has coordinate changes with time function that included on it's calculation, while DGN 1995 has no coordinate changes with time function. SRGI 2013 consists of horizontal and vertical geospatial reference system. This datum should be used easily and able to be accessed by users, then the access and service system for SRGI 2013 has established on April 2014. All geospatial activity must be refer to SRGI 2013, furthermore the deformation model should be included to get the coordinate on certain epoch.