

# Assessing the Potential of Land and Building Tax Database as a Basis for Developing Multipurpose Land information Systems in Indonesia

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## Key words:

## SUMMARY

The Land and Building Tax Database in Indonesia has been developed by the Directorate of Land and Building Taxes, Ministry of Finance in two interrelated systems, i.e., SISMIOP (the Property Tax Information Management System) and SIG-PBB (Geographic Information Systems for Land and Building Taxes). SISMIOP was particularly designed to handle attribute data related to land and building taxes which now is managing around 84 million tax objects. On the other hand, SIG-PBB has been designed to manage spatial data of land and building tax objects.

This research was conducted to assess the potential of the database in these systems to develop a Multipurpose Land Information (MLIS) in Indonesia, particularly for urban areas. A database of MLIS was designed involving five other data sets from different institutions/companies such as telephone, electricity, national land agency, water supply, and urban planning. The research found that in principles those data sets can be integrated using NOP (Property Identification Number, the number used as identifier of tax objects, particularly land parcels and buildings). However, efforts need to be performed especially there were little consistency of data available in different databases created by different institutions.

## BIOGRAPHICAL NOTES

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#### *Education:*

1980: graduated from Department of Geodetic Engineering, Faculty of Engineering, Gadjah Mada University, Yogyakarta, Indonesia.

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