DEVELOPPING AN APPLICATION SOFTWARE VERSION 1.17 FOR LAND USE PLAN AT DISTRICT LEVEL
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Summary
Land use plan software version 1.17 has been developed by Microsoft Visual C# professional 2010 in 2017. Based on the results of implementing previous land use plan, current land use status and indicators of annualy land use plan, the software will automatically analyze, set up table and map querying system for district land use plan. Software has the following basic functions: 1) Assessment of previous year’s land use plan. 2) Identify and allocate land to the commune level. 3) Set up a table system (including: land use status, land use criteria), results of implementation of the previous year land use plan, land use planning, land conversion planning and land withdraw planning, list of construction, projects). 4) Set up matrix for analyzing land use conversion and estimating revenue and expenditure). 5) Map querying system. (6) Export the output in Excel format. The software has been applied for land use planning in 2017, 2018 at Hon Quan district, Bu Dang district and Dong Xoai town in Binh Phuoc province, showing the following advantages: (1) Precise output, fast processing, large processing capacity. (2) It is a useful tool to support land use planning at district level because it reduces time and effort. Software is installed and runs independently on personal computers. It is developed with open source code and will be expanded functionality to meet practical needs. Hopefully, the application will contribute to the research work as well as land management practices, especially agricultural land at the district level.

Keywords: Land use plan, district, land conversion, application software.