ASSESSMENT OF LAND SUITABILITY FOR DIFFERENT TYPES OF SHIFTING CULTIVATION OF MACADAMIA TREES IN TUY DUC DISTRICT, DAK NONG PROVINCE
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Summary
The result of this research, in order to evaluate the suitability of land use for macadamia trees in Tuy Duc district, Dak Nong province. The research has identified the 7 norm to build up land mapping units for macadamia including soil type, slope, soil depth, soil texture absolute altitude, rainfall, temperature and irrigation, thus using spatial analytical of GIS to building properties soil overlay the maps application to build the land mapping unit consists of 33 land units from 5967 plots of land, with an area of 107,026.17 ha of land evaluation assessment, identified four types use of suitable land use for macadamia planting (LUT1: maca for macadamia, LUT2: macadamia - coffee, LUT3: macadamia - pepper, LUT4: macadamia - forest) at suitable levels S1, S2 corresponding to each type. Since then, the proposal to grow to 2020 is 8,146.15 ha according to the LUT as follows: LUT 1: macadamia 1,945.46 ha, LUT 2: macadamia - coffee 3,237.24 ha, LUT 3: macadamia - pepper 1,739.87 ha, LUT4: macadamia - forest 1,223.58 ha. By 2030, the area of 3,940.85 ha: LUT 1: macadamia 1,018.14 ha, LUT 2: macadamia - coffee 1,191.18 ha, LUT 3: macadamia - pepper 595.40 ha, LUT4: macadamia - forest 1,136.13 ha.

Keywords: Land suitable classification, land mapping units, land use types, macadamia.