

Thapana Bunyapravitra 2010: The Improvement of Bangkok Comprehensive Plan, 2006, following the Smart Growth Concept for Urban Sprawl Control. Master of Urban and Environmental Planning, Major Field: Urban and Environmental Planning, Department of Urban and Environmental Planning. Thesis Advisor: Mr. Tanapon Panthasen, Ph.D. 343 pages.

The urban sprawl of Bangkok Metropolitan Region (BMR) has erratically expanded and becomes a difficult issue. The Comprehensive Plan plays a key role to increase urban sprawl. Urban Environment Growth Concept is tentatively brought into the improvement of Bangkok Comprehensive Plan 2006 to control such urban sprawl. This study explores both preventive factors and supportive factors from the Bangkok Comprehensive Plan, type of urban sprawl, and Urban Smart Growth Concept to improve Bangkok Comprehensive Plan in the sample area of Ladkrabang and Taweewattana districts. Data from document research, interview, questionnaires, field survey, and workshop from a sample group of District Officer, community leader, and urban planning specialist were analyzed by quantitative research, followed by content analysis and statistical descriptive analysis.

The study result indicated that the comprehensive plan and land use regulations of Bangkok Comprehensive Plan 2006 are the basic factor supporting the urban sprawl. The urban sprawl non-continuously grows from the city which referred to as a leapfrog development can have a serious impact on loss of agricultural area and people's living quality. There is a moderate possibility of using urban smart growth concept to control urban sprawl which needs to be proven whether the rise of urban sprawl is halted. Appropriate urban smart growth concept is proposed to use for the improvement of Bangkok Comprehensive Plan.

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