

INFORMATION ABOUT NEW CONTRIBUTIONS OF THE THESIS

Thesis title:

SPATIAL PLANNING OF A COMPACT CITY UNIT IN HA NOI

The major: Regional and urban planning. Code of major: 9580105.

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SUMMARY OF NEW CONTRIBUTIONS OF THE THESIS

1.The thesis has made a new contribution in proposing a model of compacted urban units and solutions to organize the urban development space in accordance with Hanoi's urban development conditions. Specifically, as follows:

Complete the concept of compact urban unit in line with the trend of urban development in Hanoi.The concept of compact urban development used in the thesis is the development of the concept of urban units according to the popular compression trend in the world, in line with the characteristics of urban development of Hanoi. This concept refers to 3 perspectives: spatial morphology, use function and urban ecological environment.

2. To systematize the scientific basis for rational application the compact urban unit in the context of urban development of Hanoi.

On the basis of 04 theories: The urban unit according to the compact trend; The compact urban unit, the urban development based on transit orientation; Sustainable development which combined with the practical basis of urban development according to the compact trend, showing that the compact urban unit is the grassroots unit in terms of urban spatial structure and administrative management, which is not only efficiency to use of land and space but also ensures the quality of the environment. Thus, the compact urban unit in Hanoi has a scientific basis.

3. To supplement the tool to assess the spatial structure of the compact urban unit in accordance with the development trend by the system of criteria.

It is a system of criteria for evaluating the structure of the compact urban unit in Hanoi with 4 criteria on: Space (population and land size, residence density, degree of compact); Functions (multi-functional mix, social infrastructure and urban utilities); Traffic (road density, form of connection and accessibility of public transportation); Sustainable development (landscape structure, ecological threshold and resilience).

4. To propose models and solutions that are oriented to the spatial of urban development in Hanoi.

The model of compact urban unit in Hanoi is a combination of 3 contents: Spatial morphology; Use function; Ecological environment. Each content has specific indicators, in which compact characteristics is the crucial. In addition, the unique characteristics of the compact urban unit also depend on its location in the Hanoi.

In order to be in line with the reality of urban development context in Hanoi, a oriented solution on the spatial organization of the compacted urban unit is proposed for 3 typical areas of The south Hanoi: Central area with a high compacted urban unit model; The suburban area with the medium compact urban unit; Suburbs with low compact urban unit. Specific solutions focus on renovating urban compact unit in the historic center area and building new compact urban unit in suburban areas, and along high-volume public transport routes.

The content of the thesis has met the purpose of research. The research results are valuable in addition to the theory of urban planning, reference in scholar of the urban design and urban planning and the basis to legalize the compact urban unit in Vietnam in general and Hanoi in particular.

PhD student

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