

Sustainability | Poster

PP - (21069) - THE SELF-EXPRESSION OF PLANTS IN FRONT OF THE DETACHED HOUSES IN A SUBURB OF JAPAN

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Research or practical problem and objectives

The self-expression of plants is defined as plantings or potted plants in front of houses that can be seen from the roads. The self-expression of plants is related to the external appearance of houses. It is also a chance that residents can go outside to take care of plants and maybe chat with neighbors.

The subject chosen is the detached houses in a suburb located in Nara prefecture, Japan. The main objective of this paper is to find out how the self-expression of plants are distributed in the suburban residential areas, and study on the relation between the quantities of plants and the types of entrances.

Methods and process (for empirical research)

Methods used include analyses of the maps, as well as non-participation with Google Street View. There are 6 types of entrances classified by the openness of the walls (the first factor) and the setback of gates (the second factor).

The types of entrances and the quantities of plants in front of the detached houses (3 residential areas) are surveyed. The relation between the quantity of plants and the types of entrances are also analyzed.

Main results preview and importance (or main arguments in the case of critical reviews)

The two findings below are worth mentioning.

(1) The openness of the walls (the first factor) influenced the quantity of plants more than the setback of gates (the second factor) in area I and area III.

(2) The setback of gates (the second factor) influenced the quantity of plants more than the openness of the walls (the first factor) in area II.

To conclude, the openness of the walls and the setback of gates in the detached houses of this subject may be relative to the self-expression of plants in residential area. In the future, more self-expression of plants may promote the daily exchange of neighbors and maintain a sustainable community in the residential environment.

Palavras-chave : plants, detached houses, entrance, self-expression