

Abstract

When municipality forwards the actions for vacant houses according to "The Vacant Houses Special Measures Act", it is necessary to grasp the locations where vacant houses exist, as a premise. At present, however, grasping the locations of vacant houses requires a lot of staff, time and cost, with the reason the existing method to find vacant houses is mainly depending on visual observation of external appearance; now this issue is blocking progress in the actions of measures for vacant houses.

This research study consists of two major subjects, aiming to solve or improve this issue with detached residences targeted.

The first subject is "establishment of the method for recognizing vacant houses' locations". Considering the above described blocking, a method able to grasp the locations of vacant houses from data would be developed, without depending on visual observation of external appearance.

The second subject is "elucidation of the mechanism of the occurrence of vacant houses and its locations ". By analyzing locational environment of the vacant houses' area, the mechanism in where the vacant houses occur and in what way they are located is expected to be elucidated.

This research study plans to achieve the results in two years, 2016 and 2017. As for the first subject, "Establishment of method for grasping the locations of vacant houses," the previous research has been conducted in 2015 and the method which would be able to grasp easily the vacant houses' locations without depending on visual observation of external appearance was made by way of trial on the basis of the information of basic resident register and of closing /stopping service of tap water.