What is claimed is:

1. A construction method of a prefabricated wall using a prefabricated wall module, which includes: a plurality of main shape steel members vertically arranged at both sides inside a wall; a plurality of horizontal support members for horizontally connecting the main shape steel members adjoining in a width direction; a plurality of space support members for connecting the facing main shape steel members with each other in a thickness direction; and horizontal joints, which protrudes at one side or both sides of a prefabricated wall module to be inserted into a lateral end of another neighboring prefabricated wall module, and includes a plurality of U-shaped anchoring rebars of which closed ends protrude to the lateral end of the prefabricated wall module and a vertical support bar of which one side is combined with one side of each of the U-shaped anchoring rebars and the other side is fixed to the horizontal support members, the construction method comprising the steps of:

(a) installing a plurality of the prefabricated wall modules to be spaced apart from each other at a predetermined distance so that the horizontal joint of prefabricated wall module of one side is inserted into the lateral end of the neighboring prefabricated wall module of the other side;

(b) installing a form on the outer surface of the prefabricated wall module of the one side; and

(c) pouring concrete into the form.

2. The construction method according to claim 1, wherein an auxiliary support bar is combined with the sides of the plurality of U-shaped anchoring rebars at the outwardly protruding portion of the prefabricated wall module to connect the plurality of U-shaped anchoring rebars with each other.