Profil Lapisan Pemahaman Konsep Siswa SMP Terkait Garis Tinggi Segitiga

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Abstract
This qualitative descriptive research intends to explain the profile of the understanding’s layers of junior high school students’ concept related to the height of a triangle. There are eight layers in the understanding’s layers, i.e. Primitive Knowing (Pk), Image Making (Im), Image Having (Ih), Property Noticing (Pn), Formalizing (Fo), Observing (Ob), Structuring (St), and inventising (In). The subjects of this research were three first year students of SMP Negeri 3 Salatiga who were selected by using the purposive sampling technique. The findings of the research are categorized into: 1) the concept of triangle’s height definition, 2) the concept of drawing acute scalene triangles, and 3) the concept of drawing obtuse scalene triangles. The research finding of the first category shows that the high ability subject reached Inventising layer, the mid ability subject reached Structuring layer, and the low ability subject reached Formalizing layer. The research finding of the second category shows that the high ability subject reached Inventising layer, the mid ability subject reached Structuring layer, and the low ability subject reached Image Having layer. The research finding of the third category points out the high ability subject reached Structuring layer, the mid ability subject reached Formalizing layer, and the low-ability subject reached Image Having layer.

Keywords: the layer understanding concept, the altitude of triangle