

**EVALUATION OF SANDSTONES AS BUILDING MATERIALS BASED
ON THE STRONG PRESS IN RURAL SAMBIREJO PRAMBANAN
DISTRICT IN SLEMAN YOGYAKARTA**

ABSTRACT

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This sandstone quarry is the base material used to Sambirejo village community development needs such as the construction of houses, mosques, walls and the use of building Foundation as ingredients. Quarry sandstones are found in the village of Sambirejo sub-district of Sleman Yogyakarta and Prambanan is a traditional sandstone quarry or mine the people who do local communities to meet the needs of everyday life and family of they. This research is to know the strong pressure of sandstones as building materials in the village of Sambirejo sub-district of Sleman, Yogyakarta Kabupaten Prambanan.

Method of the survey methods used, methods of sampling, and laboratory methods and the purpose of this research is to know the age of the powerful press and sandstones as building materials and know the great influence of the composition of the rocks and the compactness of rock for building materials.

Strong results in the test of press in the center of the research and development of water resources in the laboratory of SABO jln. Sopalan Depok, Maguwoharjo, Sleman, Yogyakarta with strong results press on, $70,521 \text{ kg/cm}^2$ with a weak category so categorized is not worthy of being used as building materials. Compactness of rock belongs to medium-soft rock physical properties. Mineral composition with, among others, Plagioklas (8%), k. feldspar Pyroxene (6%), (3%), opaque Minerals (7%), Lithik (11%) and silt/mud (65%).

Keywords: Sandstone, Compressive Strength, rock type and composition of the rocks.