

SUMMARY:

THE STANDARIZATION OF CEMENT PANTILES PRODUCTION IN YOGYAKARTA CEMENT PANTILES INDUSTRIES

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One of building Component is pantiles that used for covering roof. When we build more building we need more pantiles too. Pantiles can be made from clay. It's called ceramics pantiles. The other one is made of portland cement, mill and sand. It's usually called Cement Pantiles. We don't need to barr the materials of Cement Pantiles. In order to make them we can take sand material from many rivers and we get Mill material from South Mountain easily. There are many product of Cement are produced in Indonesia

This research is aimed to know:

1. The characteristic of material used for Cement Portiles.
2. The composition of cement pantiles material among Portland Cement, Mill and sand which are produced Pantiles that fulfil the standard quality.
3. The technique of producing Cement Pantiles which can produce standard quality.
4. The quality control of cement pantiles production so that it can have stability.

This research is conducted in Building Material Testing laboratory of FPTK IKIP Yogyakarta, in PAU Laboratory Technical Science of Gadjah Mada University and Genteng Marga Jaya Company is located in Maguwaharja, Depok, Sleman Yogyakarta which choose Cement type I labeled Nusantara as its sample, Mill from Gunung Kidul and sand from Gendol river, Cangkringan, Sleman.

It's sample of experiment of Cement material is to predict whether they are suitable for quality standard I and standard II. Which is then made material experiment that consist of eight kinds composition namely :

- 1) 1 Portland Cement : 1 Mill : 3 Sand
- 2) 1 Portland Cement : 1 Mill : 4 Sand
- 3) 1 Portland Cement : 2 Mill : 3 Sand
- 4) 1 Portland Cement : 2 Mill : 4 Sand
- 5) 1 Portland Cement : 2 Mill : 5 Sand
- 6) 1 Portland Cement : 2 Mill : 6 Sand
- 7) 1 Portland Cement : 3 Mill : 3 Sand
- 8) 1 Portland Cement : 3 Mill : 4 Sand