ABSTRACT

The Effect Materials Addictive Fly ash 30 % and Super plasticizers 1 % of Compressive strength with Variation Water Cement Factor 0,35, 0,40, 0,45

Concret is Portland cemen mixture or hydraulic cement , course aggregate , fine aggregate , water with addictive materials can be solid. In future progress concrete have important act in contruction major as main materials building. With compressive strength and maximum age reached are need research utilization of waste. Addictive materials can be obtain make prefect concrete mechanically value. In a normsl concrete with addictive fly ash and super plasticizesr will be easly process and also decrease porous concrete so that concrete can be reached compressive strength maximum.

Based in SNI method , mix design used water cement factor about 0,35 , 0,40, 0,45 course aggregate used 20 mm with fine aggregate into gradation 2. Compotition of the fly ash 30 % and super plasticizers 1 % from cement.

The result are of the research show off the fly ash 30 % and super plasticizers 1 % with water cement factor 0,35 obtained compressive strength about 40,053 Mpa , are main increase big as 22 % from normal concrete as big as 32,56 Mpa.

KEY WORD : Concret, Fly ash, Super plasticizers, Compressive strength