

## **ABSTRAK**

Berdasarkan hasil penelitian di laboratorium Universitas Sangga Buana YPKP didapat kesimpulan sebagai berikut. Beton dengan campuran Abu terbang (FlyAsh) sebanyak 20% dari semen dan 0,90% campuran SikaViscocrete (Additive) setelah dilakukan uji kuat tekan memiliki nilai kuat tekan yang tinggi yaitu 40,74 MPa. Dari uraian kesimpulan diatas dengan merujuk pembahasan dan hasil penelitian, Penelitian Laboratorium yang dilakukan adalah, Perlu diadakan lagi penelitian lebih lanjut terkait beton yang mengandung FlyAsh lebih dari 20%. Karena menurut penulis beton menggunakan SilicaFume sebanyak 20% mendapatkan Range Kuat Tekan besar dibandingkan campuran Fly Ash sebesar 20%. Dalam pengujian ini, campuran fly ash 20% dapat di gunakan untuk beton mutu tinggi dengan mutu K-500.

## **ABSTRACT**

*Based on the results of research in the laboratory of Sangga Buana YPKP University, the following conclusions can be obtained. Concrete with fly ash mixture (FlyAsh) as much as 20% of cement and 0.90% mixture of SikaViscocrete (Additive) after the compressive strength test has a high compressive strength value of 40.74 MPa. From the description above conclusions by referring to the discussion and research results, the Laboratory Research conducted is, It is necessary to carry out further research related to concrete containing FlyAsh more than 20%. Because according to the authors the concrete uses SilicaFume as much as 20% to get a large Compressive Strength Range compared to the Fly Ash mixture of 20%. In this test, a 20% fly ash mixture can be used for high quality concrete with K-500 quality.*