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LAMPIRAN



UNIVERSITAS HASANUDDIN
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Nama : Misel Boro Allo

NIM : D012211024

LAMPIRAN

Tgl Percobaan : Maret 2022

Menimbang material yang akan digunakan (Air, Semen, Serat Carbon dan Pasir)



Timbangan

Mencampur material yang digunakan menggunakan alat mixer.

1. Campur air dan semen dan aduk selama ± 30 detik dengan kecepatan nomor 2.
2. Kemudian masukkan pasir dan aduk ± 2 menit dengan kecepatan nomor 2.
3. Setelah itu aduk manual untuk meratakan yang menempel di dinding wadah, dan dilanjutkan dengan mengaduk ± 2 menit dengan kecepatan nomor 3.



Mixer



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Tgl Percobaan : Maret 2022

Menguji dan mengukur diameter mortar (*flow mortar*), dari hasil pengujian diameter flow mortar diperoleh diameter flow mortar 20 cm.

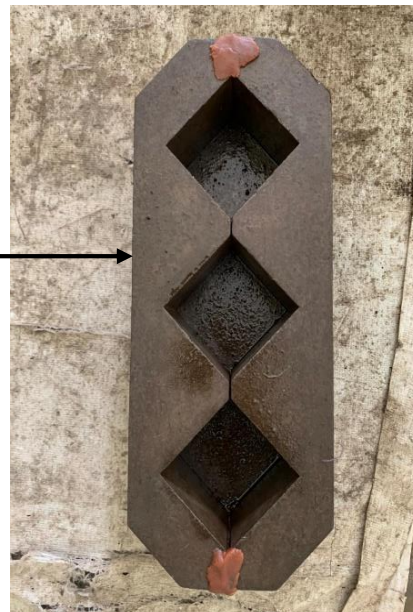
Alat yang digunakan :

1. Table Flow
2. Alat Ukur / Caliper



Table Flow

Menyiapkan cetakan mortar (silinder ukuran 5/10 cm, dan kubus 5/5 cm)



Cetakan Kubus



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Tgl Percobaan : Maret 2022

Mencetak mortar dengan memasukkan mortar kedalam cetakan yang di bagi menjadi 2 lapis dimana setiap lapis di padatkan dengan 8 kali tumbukan. Dan mendinginkan mortar sampai mengeras \pm 24 jam.



Setelah didiamkan \pm 24 jam. Mortar dikeluarkan dari mould cetakan dan diperiksa kondisi mortar dalam kondisi baik tanpa ada yang pecah ataupun retak. Jumlah benda uji yang dibuat adalah 9 silinder 5/10 cm dan 29 kubus 5 cm x 5 cm x 5 cm.





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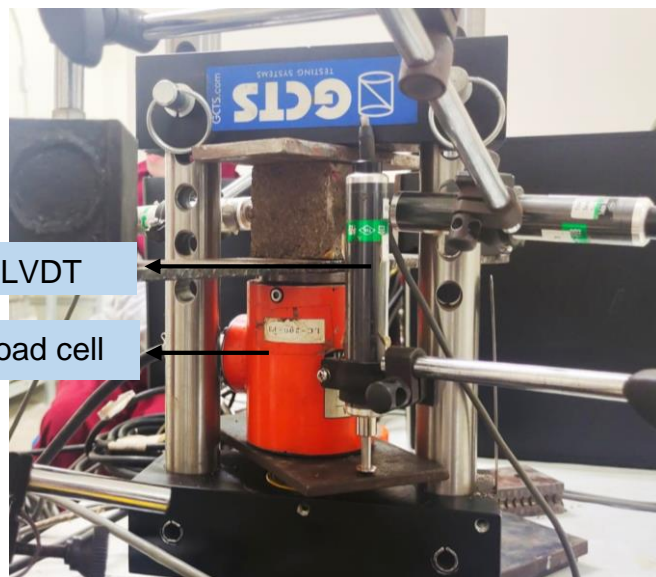
Tgl Percobaan : Maret 2022

Dilakukan perawatan dengan metode curing air.



Curing Benda Uji

Pengujian Kuat Tekan menggunakan load cell untuk mengukur pembebanan, LVDT untuk mengukur regangan, dan data logger untuk mengakusisi data.





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Tgl Percobaan : Maret 2022

Pola retak mortar



Pengujian Phenolphetaline
Mortar (Pemeriksaan Kerataan
Campuran)

