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<p>Persiapan material</p>	
<p>Pengujian karakteristik material</p>	

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Pencampuran material menggunakan *mixer*.

1. Pertama, batu pecah, pasir, semen, dan pelet PP dimasukkan ke dalam *mixer* dan dicampur selama 60 detik.



2. Selanjutnya, air yang telah dicampur dengan SP ditambahkan secara bertahap ke dalam *mixer*, dan pencampuran dilanjutkan selama 120 detik.



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3. Kemudian, campuran beton diaduk secara manual agar bahan – bahan yang menempel pada bagian bawah dan dinding *mixer* tercampur rata.







4. Pencampuran menggunakan *mixer* dilanjutkan selama 60 detik hingga didapatkan kombinasi campuran beton segar yang merata




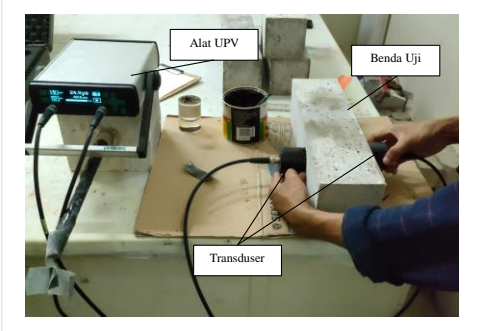
Pengujian slump beton sesuai target nilai desain slump.



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<p>Memasukkan campuran ke ke dalam cetakan balok dengan dimensi $40 \times 10 \times 10$ cm, lalu dipadatkan selama 60 detik menggunakan mesin vibrator.</p>	
<p>Proses perawatan benda uji dicurring menggunakan air pada suhu ruang selama 28 hari.</p>	
<p>Pengujian kuat lentur beton</p>	

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<p>Pengujian <i>ultrasonic pulse velocity</i> (UPV)</p>	
<p>Hasil beton yang telah diuji</p>	