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A. Proses Pembuatan Bahan PCM

1. Siapkan Material sesuai berat perhitungan nya: Paraffin 55.08 gr

*Silica/Aerogel* 33.20 ml

*Ethyl/Alkohol* 60.43 ml

1. Siapkan *Magnetic StirWith Heater*
2. Campurkan *Paraffin* dengan *Alkohol* Panaskan dengan Temperatur 50℃ dengan Rpm 3000 selama 30 menit.
3. Setelah 30 menit, Campurkan *Silika Aerogel* kedalam Campuran *(SA+Ethyl)*

dengan Temperatur 65℃ selama 90 Menit.

1. Setelah 90 menit, Masukan Campuran *(SA+Ethyl+Silica Aerogel)* kedalam Cetakan.

Gambar PCM pada destilasi air laut Gambar Parafin pada destilasi air laut

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Gambar Destilasi air laut



Gambar Timbangan digital

Gambar Material Paraffin



Gambar Gelas Beaker

 

Gambar Alkohol 99 %



Gambar Silica Aerogel

Gambar Magnetic Sterrer Withheater



Gambar Termometer Digital Krisbow

 

Gambar pengukuran suhu termometer



Gambar data temperature suhu

Gambar solar power meter



Gambar anometer

 

Gambar hasil paraffin campuran



Gambar PCM Storage

Gambar Alat uji SEM



Gambar alat uji tga