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LAMPIRAN

Lampiran 1. Dokumentasi Penelitian

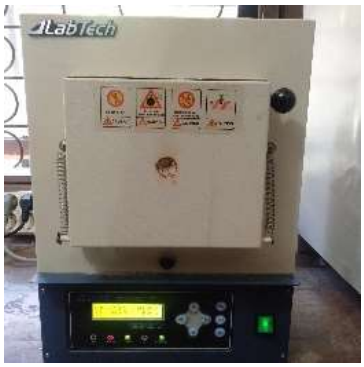
Cangkang kerang darah dibersihkan

Cangkang kerang darah dikeringkan Di bawah sinar matahari.

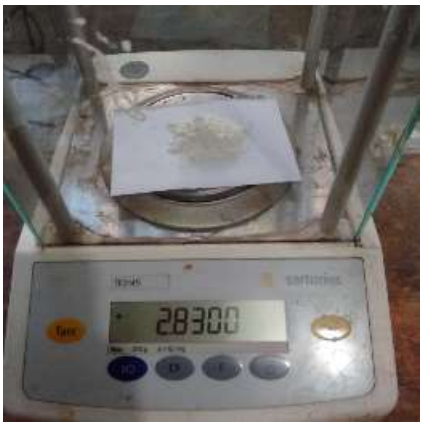
Cangkang kerang darah dihancurkan menjadi serpihan kecil

Cangkang kerang darah dihaluskan

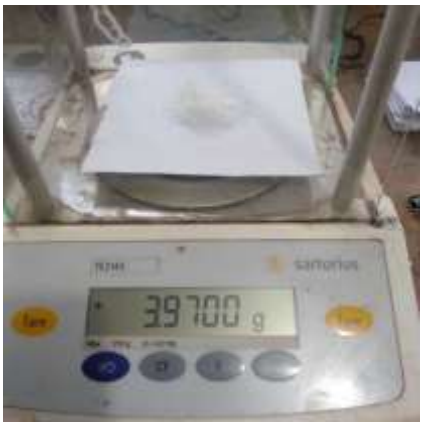
Cangkang kerang darah diayak



Kalsinasi Cangkang kerang darah

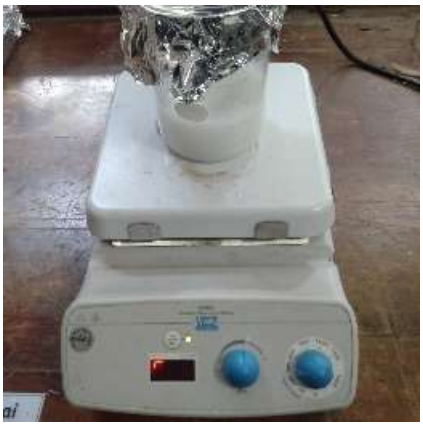


CaO

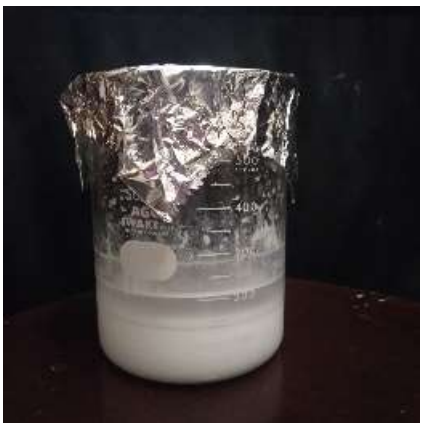


$(NH_4)_2HPO_4$

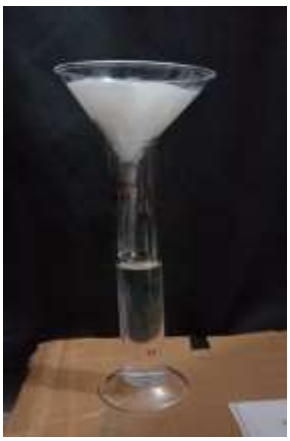
Proses titrasi asam basa



Stirrer $(Ca(OH)_2)$ + $(NH_4)_2HPO_4$ + aquades



Proses pengendapan



Proses pencucian

Proses pengeringan HAp

Hidroksiapatit setelah dikeringkan

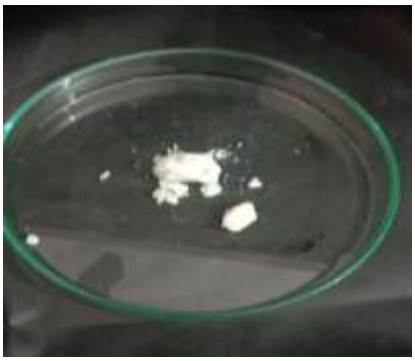
Hidroksiapatit (HAp) setelah disintering

HAp pada suhu sintering 700°C

HAp pada suhu sintering 800°C

HAp pada suhu sintering 900°C

HAp pada suhu sintering 1000°C



HAp tanpa sintering

Lampiran 2. Analisis Data

A. Efisiensi Massa Hidroksiapatit (HAp)

$$\text{Efisiensi Massa Hidroksiapatit} = \frac{\text{massa hidroksiapatit}}{\text{massa awal kalsium dan asam fosfat}} \times 100\%$$

1. Hidroksiapatit pada suhu sintering 700°C

   Efisiensi Massa Hidroksiapatit $= \frac{4,6619}{6,8} \times 100\%$

   $= 68,55\%$

2. Hidroksiapatit pada suhu sintering 800°C

   Efisiensi Massa Hidroksiapatit $= \frac{4,5888}{6,8} \times 100\%$

   $= 67,47\%$

3. Hidroksiapatit pada suhu sintering 900°C

   Efisiensi Massa Hidroksiapatit $= \frac{3,9036}{6,8} \times 100\%$

   $= 57,40\%$

4. Hidroksiapatit pada suhu sintering 1000°C

   Efisiensi Massa Hidroksiapatit $= \frac{3,7734}{6,8} \times 100\%$

   $= 55,49\%$