

## Preparasi awal rumput laut dari pantai Krakal dan Lemah Abang Jepara

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### Abstrak

Initial preparation of sea weed from Krakal beach and Lemah Abang Jepara. The Sea Weed from Krakal beach, Gunung Kidul, and Lemah Abang, Jepara have been prepared. The sea weed was initial prepared by crushed, dried by freeze dryer, milled using a ball-mill and sieved with unscreened grain size of 100 mesh. The homogenized powder were tested by Laser Particle Sizer Analysette 22, by double preparation and four times measurement for every sample. The grain size of both powder was in the range of 4.623  $\mu\text{m}$  to 583.015  $\mu\text{m}$ , arange in 31 classes. The smallest class were the particles with size 4.623 – 5.462  $\mu\text{m}$ . The second class having the lowest size 5.462  $\mu\text{m}$ , the midle size was 5.96  $\mu\text{m}$ , and the highest was 6.453 and so on. The largest class has the smallest size 493.445  $\mu\text{m}$ , the midles size 538.23  $\mu\text{m}$ , and the largest was 583.015  $\mu\text{m}$ . The geometric mean diameter of the Sea Weed from Krakal was 135.667  $\mu\text{m}$ , and from Lemah Abang 46.053  $\mu\text{m}$  respectively. The Krakal Sea Weed's curve showed that the skewness was 0.839, kurtosis 0.950, and Specific Surface Area was 0.08  $\text{m}^2 \text{mL}^{-1}$ , and from Lemah Abang the skewness was 1.921, curtosis 7.133, and the specific surface area was 0.23. The curves of cummulative percentage versus particle sizes showed that the eighth curves were relatively identic and close together, showed that the powder were physically homogen, and may be continued to the chemical analysis.