

SUMMARY

PT. Solusi Bangun Indonesia (PT.SBI) is a cement production company at once as limestone mining company. PT. Solusi Bangun Indonesia located in Sodong Limusbuntu, Tambakreja, Cilacap Selatan District, Cilacap Regency, Central Java. PT. SBI will open new mining site so required calculation of resources and reserves of that area.

Reffering to SNI 4726:2011, resources and reserves limestone in Nusamkambangan island can be categorized as mineral resources and estimated reserves.

Mineral resources and estimated reserves in PT. Solusi bangun Indonesia will use IDW or Inverse Distance Weight method. This method used so can estimated the mineral resources and reserves with the standar of limestone that was made by PT. Solusi Bangun Indonesia.

The result of IDW method is 29.462.500m³ or 67.763.750 ton limestone with the standar that was made by PT. Solusi Bangun Indonesia which are CaO with minimum 48%, MgO with maximum 1,8% and Al₂O₃ with maximum 1,5%.

This reserves estimation of limestone can determine the age of the mine from Quarry XIII which is around 25 years.