A total of 183 isolates of microorganisms were isolated from forest soil with the shrimp waste deposited. The selected four isolates with high activity of chitosanolytic enzymes on chitosanase detected agar plates (CDA-plates) were TP11.03, TP11.22, TP12.24 and KU22.13. The isolate TP12.24 was identified as *Bacillus cereus* which produced the highest amount of chitosanase on M9-Chitosan medium.

The optimum conditions for chitosanase production from *Bacillus cereus* TP12.24 were found in M9-Chitosan medium with 0.5 % chitosan, at pH 6.0 using shaking incubator at 30 °C. *Bacillus cereus* TP12.24 had specific growth rate of 0.260 h⁻¹, rate of enzyme production (Qₚ) was 35.29 U/l h, specific rate of enzyme production (qₚ) 31.99 U/g cell h, specific rate of substrate consumption (qₛ) 0.091 g chitosan/g cell h, growth yield for substrate (Yₓₛ) 0.352 g cell/g chitosan and products yield (Yₓₚₛ) 247.59 U/g chitosan. In 2.0 L fermenter, *Bacillus cereus* TP12.24 had specific growth rate of 0.304 h⁻¹, rate of enzyme production (Qₚ) was 43.55 U/l h, specific rate of enzyme production (qₚ) 154.37 U/g cell h, specific rate of substrate consumption (qₛ) 0.682 g chitosan/g cell h, growth yield for substrate (Yₓₛ) 0.447 g cell/g chitosan and products yield (Yₓₚₛ) 181.01 U/g chitosan.

The enzyme was stable at pH 3.0-8.0 and temperature of 30-50 °C. The pH of 6.5 and temperature of 55 °C were optimal for chitosanase activity.