CRUDE β-1, 3-GLUCAN BINDING PROTEIN PROFILING FROM ROCK OYSTER (*Chama pacifica*) AND ITS HEMAGGLUTINATION PROPERTIES

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Crude β-1, 3-glucan binding protein (βGBP) was obtained from *Chama pacifica* collected at Pantai Pandak, Kuala Terengganu, Malaysia. Crude β-1, 3-glucan binding protein was isolated from plasma of *Chama pacifica* by using laminarin precipitation. Crude βGBP profile was determined using SDS-Page with estimated molecular weight 224.6 kDa. From agglutination assay results crude βGBP were able to agglutinate the human blood (A, B, and O) and as well as goat and chicken blood. βGBP acts similarly to polysaccharide binding agglutinin thus may participate in the defense mechanisms.

PROFIL BAHAN MENTAH β-1, 3-GLUCAN PENGIKAT PROTEIN DARIPADA TIRAM BATU (*Chama pacifica*) DAN SIFAT-SIFAT AGLUTINASI

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Profil Bahan Mentah Beta Glucan Pengikat Protein *diperoleh dari Chama pacifica* yang diambil dari Pantai Pandak, Chendering, Kuala Terengganu, TereNgganu. Profil Bahan Mentah Beta Glucan Pengikat Protein diasingkan dari *Chama Pacifica* melalui pemendakan laminarin. Profil Bahan Mentah Beta Glucan Pengikat Protein diasingkan dari *Chama Pacifica* ditentukan melalui SDS-Page dengan anggaran berat sebanyak 224.6 kDa. Daripada keputusan agglutinasi bahan mentah BGBP mampu agglutinasi darah manusia (A, B, dan O) termasuk darah kambing, ayam, dan ikan. BGBP bertindak sama seperti polisakarida pengikat oleh itu ia terlibat dengan mekanisma pertahanan