

**KORELASI MORFOMETRI CANGKANG TERHADAP BERAT DAGING  
SIPUT UNAM (*Pugilina cochlidium*) DI PERAIRAN BELAWAN  
SUMATERA UTARA**

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**ABSTRAK**

Tujuan penelitian ini adalah mengetahui korelasi morfometri cangkang terhadap berat daging siput Unam (*Pugilina cochlidium*) di perairan Belawan Sumatera Utara serta mengetahui faktor yang berkontribusi terhadap berat basah daging. Sampel yang diambil dari 4 stasiun dengan jarak 900m. Sampel masing-masing stasiun berjumlah 400 ekor dan ada 9 parameter morfometri yaitu berat basah daging, panjang cangkang, lebar cangkang, tebal cangkang, lebar aperture, panjang aperture, berat cangkang, berat total, berat tutup aperture digunakan untuk mengetahui berkontribusi terhadap berat daging. Analisis menggunakan Regresi berganda dengan menggunakan metode stepwise. Hasil menunjukkan parameter morfometri yang paling berkontribusi yaitu berat basah daging, lebar aperture, panjang aperture, berat total, berat tutup aperture dengan persamaan  $Y = -2,521 + 4,60X_8 + 0,12X_7 + 0,05X_5 + 0,05X_4 + 0,03X_1$ . Kondisi lingkungan perairan Belawan masih termasuk dalam ambang batas normal dengan suhu  $30,1^{\circ}\text{C}$ - $30,7^{\circ}\text{C}$ , salinitas 24-26‰, pH 7,0-7,4 kecerahan 11,7-13,8cm, dan kedalaman 3,17-3,40cm. Komposisi substrat terhadap berat daging adalah lumpur berliat. Berat tutup aperture siput adalah indikator utama dari berat daging.

Kata kunci: Korelasi, Morfometri, *Pugilina cochlidium*.

**CORRELATION OF MORPHOMETRY CHARACTERISTICS IN  
UNAM SNAILS (*Pugilina cochlidium*) ON MEAT WEIGHT IN  
BELAWAN WATER NORTH SUMATERA**

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**ABSTRACT**

The purpose of this study was to determine the correlation of the characteristics of shell morphometry in unam snails (*Pugillina cochlidium*) to the weight of meat in the waters of North Sumatra and to know the factors that contribute to the wet weight of meat. Samples taken from 4 stations with a distance of 900m. Samples of each station amounted to 400 tails and there were 9 morphometry parameters namely meat wet weight, shell length, shell width, shell thickness, aperture width, aperture length, shell weight, total weight, aperture cover weight used to find out contributing to the weight of the meat. Analysis using multiple regression using the stepwise method. The results showed the most contributing morphometric parameters, namely meat wet weight, aperture width, aperture length, total weight, aperture cover weight with the equation  $Y = -2,521 + 4.60X_8 + 0.12X_7 + 0.05X_5 + 0.05X_4 + 0.03X_1$ . The environmental condition of Belawan waters is still included in the normal threshold with a temperature of 30.10C-30.70C, salinity 24-26 ‰, pH 7.0-7.4 brightness 11.7-13.8cm, and depth 3.17-3.40cm. The composition of the substrate to the weight of the meat is muddy mud. The weight of the snail's aperture is the main indicator of meat weight.

Keywords: Correlation, Morphometry, *Pugilina cochlidium*