



Sugar Profile of Riverine Fruits in the Natural Diet of Malaysian Mahseer, *Tor tambroides* (Bleeker, 1854)

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Abstract:

The Malaysian mahseer, *Tor tambroides* (Bleeker, 1854) is known to consume fruits that fell from riverine trees in its natural habitat. We have previously identified fruits from 6 riverine tree species to be part of the Malaysian mahseer's natural diet. This study presented the sugar profile (glucose, sucrose, fructose and maltose) of these fruits using high performance liquid chromatography (HPLC) analysis. The sugars, monosaccharide and disaccharide, are highly digestible energy source in vertebrates and vital in maintaining bodily functions. This analysis was carried out to add data to the nutritional content of these fruits and provide basic data to the Malaysian mahseer dietary requirement.

Keywords: Monosaccharide, Disaccharide, HPLC, Riverine Fruits, *Tor tambroides*.