

## **Vision-mediated feeding behaviour of early juvenile Sultan fish, *Leptobarbus hoevenii***

### **ABSTRACT**

The Sultan fish, or 'Jelawat', *Leptobarbus hoevenii* is a cyprinid with a natural distribution in streams, rivers and lakes of some Southeast Asian countries, including Malaysia and Thailand (Mohsin & Ambak, 1983; Vidthayanon et al., 1997). It has value as a freshwater food fish (Mohsin & Ambak, 1983; Roberts, 1989), and its flesh is rich in protein, vitamin B and minerals (Tee et al., 1989). The Sultan fish has been introduced into several countries, including Taiwan and China, for aquaculture and as an ornamental species (Liao et al., 2001; Xiong et al., 2015). Captive breeding, seed production and farming techniques of this fish have been established (Liao et al., 2001; Meenakarn, 1986; Saidin et al., 1988; Truong et al., 2003), and there is information available about its feeding and nutritional requirements (Au et al., 2020). However, the major sensory modalities used by *L. hoevenii* at early life-history stages to detect prey are still unknown.