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Detection of Integron and Antibiotic Resistance Genes of *Aeromonas* spp. Isolated from Freshwater Fish in Pahang, Malaysia

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Abstract

Aeromonas species are known as food and waterborne pathogens. This study aims to detect integrons and antibiotic resistance genes in *Aeromonas* spp. isolated from diseased red hybrid tilapia (*Oreochromis* sp.), African catfish (*C. gariepinus*) and striped catfish (*P. hypophthalmus*) in Pahang, Malaysia. Samples from kidney, spleen and liver were cultured onto Rimler Shott agar to isolate the bacteria. Pathogenicity of the bacterial was observed through hemolytic activity of the bacteria on sheep blood agar. Polymerase chain reaction using specific gene was