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DETEKSI *Streptococcus sp.* PADA *Clarias gariepinus* MENGGUNAKAN *AMPLIFIED ENZYME-LINKED IMMUNOSORBENT ASSAY*

Sri P. Astuti Wahyuningsih*, R. Wasito **, Hastari Wuryastuti ** dan Kamiso H.N.***

*Jurusan Biologi, FMIPA, Universitas Airlangga;
** Fakultas Kedokteran Hewan, Universitas Gadjah Mada dan
*** Jurusan Perikanan, Fakultas Pertanian Universitas Gadjah Mada

ABSTRACT

An enzyme-linked immunosorbent assay has been developed which detect Streptococcus sp.

Twenty Clarias gariepinus at the age of two weeks was soaked in Streptococcus sp. suspension with concentration of 10^8 bacteria per ml for two hours. Specimens such as blood, mucous, muscles, heart, kidney, liver, intestines and gill were collected, and assayed for the presence of Streptococcus sp. using ELISA

Result of the present study showed that the ELISA can be applied to detect an isolated Streptococcus sp. from tissues of Clarias gariepinus. Kidney is a primary target organ (predilection). Therefore, the kidney is a specimen of choice for diagnosis approach (es) of Streptococcus sp. infection.

Key words : Streptococcus sp.- Clarias gariepinus- enzyme-linked immunosorbent assay