ANALYSIS SPECIFIC PROTEIN LEVEL OBTAINED FROM ELUTIONED *Aeromonas hydrophila* ISOLATED FROM COMMON CARP (*Cyprinus carpio* Linn) USING BRADFORD PROTEIN ASSAY

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**ABSTRACT**

This research was aimed to determine protein level of *Aeromonas hydrophila* with quantitative measurement Bradford protein assay by knowing highest level of protein. *Aeromonas hydrophila* were isolated from common carp (*Cyprinus carpio* Linn) which got from Balai Benih Ikan Punten, Batu, East Java. Identification were done using biochemical test and were cultured on specific media *Triptone Soya Agar* (TSA). Protein characterization were analyzed through some stages: creating whole protein, protein characterizing using SDS-PAGE, rabbit immunization with whole protein, determining immunogenic protein using western blotting, protein purifying with elution techniques, and Bradford protein assay supported to measure specific protein level of *Aeromonas hydrophila*. The result showed that *Aeromonas hydrophila* protein molecular weight 71.4 kDa; 61.7 kDa; 53.7 kDa; 41.5 kDa; 35.2 kDa its protein level is 0.53 gr%; 0.67 gr%; 0.62 gr%; 0.63 gr%; 0.6 gr%. The highest specific protein level is reached at protein fractions 61.7 kDa.

*Key words*: specific protein, *Aeromonas hydrophila*, Bradford protein assay