

## PROTEIN PROFILE OF *Aeromonas hydrophila* WHICH WAS ISOLATED FROM GOLDFISH (*Cyprinus carpio* Linn )

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### ABSTRACT

This research aimed to know protein profile of *Aeromonas hydrophila*, based on its molecule weight which could be developed as basic of making diagnostic substances and sub units vaccine. This research method was began from isolation *Aeromonas hydrophila* of goldfish (*Cyprinus carpio* Linn) which were anticipated of *Aeromonas hydrophila* infection by planting at TSA media. *Aeromonas hydrophila* isolate was analysed by using *sodium dodecyl sulphate polyacrilamide gel elektroforesis method* (SDS-PAGE) to detect the whole protein at *Aeromonas hydrophila* was expressed in molecule weight (kDa). The result of the research showed that whole protein of *Aeromonas hydrophila* was identified 11 bands of protein, with detail as follow as: 211,3 kDa, 162,2 kDa, 129,7 kDa, 94,6 kDa, 84,7 kDa, 73,8 kDa, 68,5 kDa, 62,2 kDa, 57,3 kDa, 49,8 kDa, 45,0 kDa. To get protein fraction which is imunogenic and antigenic which can be used later as basic of making diagnostic substances and sub units vaccine substances require to be done by furthermore research.

**Key words:** *Aeromonas hydrophila*, *Cyprinus carpio* Linn, SDS-PAGE, Molecule Weight.