Determination and comparison of muscle chemical compositions in three species fish of *Acanthopagrus latus, Cynoglossus arel* and *Epinephelus coioides* from the Persian Gulf

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Receive date: 2013.07.06
Acceptant date: 2013.10.12

Abstract
The aim of this study was to assess protein, lipid, carbohydrate, fiber, ash, and moisture in muscle of *Acanthopagrus latus*, *Cynoglossus arel* and *Epinephelus coioides* from Persian Gulf, 2013. 45 samples of fishes were prepared. Data were analyzed with SPSS17 software in terms of ANOVA, which determine exist or non-exist of the significant difference in level 95 precent (P=0.05). In this study between of protein and carbohydrate in muscle of *Acanthopagrus latus*, *Cynoglossus arel* and *Epinephelus coioides* significance different (P<0.05), but concentration of lipid and ash no significant difference (P>0.05). Also moisture in muscle of two species *Acanthopagrus latus* and *Cynoglossus arel* no significant difference (P>0.05). Fiber was not detected in three fishes. The comparison of chemical composition in three species, showed the highest of protein and lipid observed in muscle of *Cynoglossus arel*. Also the highest of moisture and carbohydrate determined in muscle of *Epinephelus coioides*.

Keywords: *Epinephelus coioides*, *Cynoglossus arel*, *Acanthopagrus latus*, Nutritional Value, Persian Gulf.