ABSTRACT

BCH-algebra is an algebraic structure that constructed from abelian grup. On *BCH*-algebra, there are mappings from *BCH*-algebra to it self which called *BCH*-endomorphism. In *BCH*-algebra, there are set of all left mappings L and there is L_0 which is the only *BCH*-endomorphism in L which has some properties such as L_0 is a center of *BCH*-endomorphism, a periodic map and an epimorphism on *BCH*-algebra. Like grup that has a fundamental theorem of homomorphism grup, then on *BCH*-algebra, there is also fundamental theorem of homomorphism *BCH*-algebra.

Key word: endomorphism, left mappings, *BCH*-algebra.