

ABSTRAK

Skripsi ini membahas contoh dan sifat-sifat ring reguler. Salah satu contoh ring reguler adalah himpunan bilangan bulat modulo 3 yang dilengkapi dengan operasi penjumlahan dan perkalian modulo 3. Sifat-sifat ring reguler berkaitan dengan ring *division*, ring Boole, ring komutatif, dan *center*-nya. Ring *division* merupakan ring reguler. Ring Boole merupakan ring reguler; dan ring reguler adalah ring komutatif. Kemudian, *center* dari ring reguler juga merupakan ring reguler.

Kata kunci: Ring reguler, ring *division*, ring Boole, ring komutatif, *center*.



ABSTRACT

This study discusses some examples and properties of regular ring. One example of regular ring is the set of integer modulo three which is equipped with addition and multiplication operations. Some properties of regular ring are related to division ring, Boole ring, commutative ring, and its center. A division ring is a regular ring. A Boole ring is a regular ring; and a regular ring is a commutative ring. Furthermore, the center of a regular ring is also a regular ring.

Keywords: *Regular ring, division ring, Boole ring, commutative ring, center.*

