INTISARI

INTEGRAL RIEMANN-STIELTJES ATAS HIMPUNAN ELEMENTER

Oleh

RIFKI KURNIAWAN
18/427681/PA/18641

Dalam skripsi ini dibahas mengenai integral Riemann-Stieltjes atas himpunan elementer, yaitu gabungan berhingga dari interval-interval terbatas yang saling asing. Pembahasan meliputi definisi integral Riemann-Stieltjes, sifat-sifat dasar integral ini, eksistensi integral Riemann-Stieltjes, dan hubungannya dengan fungsi bervariasi terbatas dan fungsi teregulasi dengan daerah integral atas himpunan elementer.

ABSTRACT

RIEMANN-STIELTJES INTEGRAL OVER ELEMENTARY SETS

By

RIFKI KURNIAWAN
18/427681/PA/18641

In this final project, we present the Riemann-Stieltjes integral over elementary sets, i.e., finite unions of mutually disjoint bounded intervals. The discussion includes the definition of the Riemann-Stieltjes integral, the basic properties of this integral, the existence of the Riemann-Stieltjes integral, and its relationship with functions of bounded variation and regulated functions with the integration domain over elementary sets.