



INTISARI

SPEKTRUM OPERATOR TERTUTUP DI RUANG HILBERT

Oleh

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Pada tugas akhir ini dibahas mengenai spektrum operator linear tertutup pada ruang Hilbert beserta sifat-sifat yang berlaku. Pembahasan dimulai dengan memberikan definisi dan sifat-sifat operator linear tertutup. Selanjutnya, diberikan pembahasan mengenai *resolvent* dan spektrum operator linear. Pada bagian akhir, diberikan karakteristik spektrum operator linear tertutup pada ruang Hilbert.



ABSTRACT

SPECTRUM OF CLOSED OPERATORS IN HILBERT SPACES

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In this final project, we discuss spectrum of closed linear operators on Hilbert spaces and their properties. The discussion is started by giving the definition of a closed linear operator and its properties. Then, we discuss resolvent and spectrum of linear operators. In the last section, we give some characteristics of the spectrum of closed linear operators on Hilbert spaces.