Mohammad Imron, 2007. **Linear Operator at Invariant Subspace of Direct-Sum Decomposition.** This script in guided by Dra. Inna Kuswandari, M.Si. and Dra. Yayuk Wahyuni, M.Si. Mathematical Departement Faculty of Mathematics and Natural Science. Airlangga University.

ABSTRACT

The purpose of this script is to show about the properties of linear operator at invariant subspace of direct-sum decomposition.

Moreover, by using the properties of linear operator, direct sum and invariant subspaces will show about properties of linear operator at invariant subspace of direct sum decomposition

The result of this script show that linear operator on vector space which is invariant subspace of direct sum decomposition is direct sum of linear operator which restricted on each invariant subspace.

Key Words : Invariant subspace, Linear Operator, Decomposition.