



INTISARI

SUBGRUP NORMAL MULTI-FUZZY, SUBGRUP NORMAL MULTI-ANTI FUZZY, DAN TEOREMA KORESPONDENSI

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Pada sebarang grup dapat dibentuk subgrup normal multi-fuzzy dan subgrup normal multi-anti fuzzy. Pada tesis ini, dikaji karakterisasi subgrup normal multi-fuzzy dan subgrup normal multi-anti fuzzy. Berdasarkan struktur tersebut, dikonstruksi grup faktor relatif terhadap subgrup normal multi-fuzzy atau subgrup normal multi-anti fuzzy. Hal tersebut memunculkan adanya korespondensi satu-satu antara subgrup-subgrup normal multi-anti fuzzy pada suatu grup dan pada grup lain yang bernilai konstan pada kernel suatu homomorfisma. Korespondensi ini dapat terjadi jika homomorfisma tersebut merupakan epimorfisma grup.



ABSTRACT

NORMAL MULTI-FUZZY SUBGROUPS, NORMAL MULTI-ANTI FUZZY SUBGROUPS, AND CORRESPONDENCE THEOREM

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In any group, we can form normal multi-fuzzy subgroups and normal multi-anti fuzzy subgroups. In this thesis, we discuss the characterization of normal multi-fuzzy subgroups and normal multi-anti fuzzy subgroups. Based on this structure, we construct the factor groups relative to a normal multi-fuzzy subgroup or normal multi-anti fuzzy subgroup. This a rise to a one-to-one correspondence between the normal multi-anti fuzzy subgroups of a group and those of another group which are constant on the kernel of a homomorphism. This correspondence can occur if the homomorphism is epimorphism of groups.