

SKRIPSI

**PERAN KATION ORGANIK PADA KARAKTERISTIK ELEKTRONIK DAN
STRUKTUR SPIN HYBRID ORGANIC-INORGANIC PEROVSKITES
 $\text{CH}_3\text{NH}_3\text{PbX}_3$: KAJIAN TEORETIK DAN KOMPUTASIONAL
BERDASARKAN PENDEKATAN DENSITY FUNCTIONAL THEORY**

**THE ROLE OF ORGANIC CATION ON THE ELECTRONIC PROPERTIES
AND SPIN STRUCTURES OF THE HYBRID ORGANIC-INORGANIC
PEROVSKITES $\text{CH}_3\text{NH}_3\text{PbX}_3$: THEORETICAL AND COMPUTATIONAL
STUDIES BASED ON DENSITY FUNCTIONAL THEORY**



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