

THESIS

**SYNTHESIS OF MAGNETIC PARTICLES-SILICA-CHITOSAN HYBRID
USING (3-CHLOROPROPYL)TRIMETHOXY-SILANE AND ITS
APPLICATION FOR PHOSPHATE AND SULFATE IONS ADSORPTION**

**SINTESIS HIBRIDA PARTIKEL MAGNETIK -SILIKA-KITOSAN
MENGUNAKAN (3-KLOROPROPIL)TRIMETOKSISILAN DAN
APLIKASINYA UNTUK ADSORPSI ION FOSFAT DAN SULFAT**



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18/433857/PPA/05672

**CHEMISTRY MASTER PROGRAM
DEPARTMENT OF CHEMISTRY
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITAS GADJAH MADA
YOGYAKARTA**

2020

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Submitted as one of the requirements for obtaining a degree of
master of chemistry



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