

DISSERTATION

SYRINGE SOLID-PHASE EXTRACTION FOR Pb(II) AND Cu(II) IN MILK USING ALGINATE-CHITOSAN-PVA AND ALGINATE-ACTIVATED CARBON-PVA ADSORBENTS: METHOD DEVELOPMENT AND APPLICATION

EKSTRAKSI FASE PADAT *SYRINGE* UNTUK PRAKONSENTRASI Pb(II) DAN Cu(II) DALAM SUSU DENGAN ADSORBEN ALGINATE-KITOSAN-PVA DAN ALGINATE-KARBON AKTIF-PVA: PENGEMBANGAN DAN APLIKASI METODE



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**DOCTORAL PROGRAM IN CHEMISTRY
DEPARTMENT OF CHEMISTRY
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Syringe Solid-Phase Extraction for Pb(II) and Cu(II) in Milk Using Alginate-Chitosan-PVA and Alginate-Activated Carbon-PVA Adsorbents: Method Development and Application
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APPROVAL PAGE

DISSERTATION RESEARCH

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