



**Sudan University of Science and Technology**

**Collage of Graduate Studies**



**Determination of the Optical Properties of Pure and  
Doped Polyvinyl Alcohol using Different Lasers**

**تحديد الخواص البصرية لبوليمر PVA النقي والمشوب باستخدام أنواع  
مختلفة من الليزرات**

A thesis Submitted for partial fulfillment of the  
Requirements for the Degree of M.Sc. in laser  
application

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