

**Sudan University Of Science and
Technology**

College of Graduate Studies

**Design and Operation of A
portable Laser Absorption System
to Detect NO₂ gas Concentration**

**تصميم منظومة امتصاص ليزر
محمولة للكشف عن تركيز غاز
ثاني أكسيد النيتروجين (NO₂)
وتشغيلها**

**A thesis submitted in fulfillment of the
Requirements for the M.Sc. Degree in
laser Application in physics**

By

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بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

(يَسْأَلُونَكَ عَنِ الرُّوحِ قُلِ الرُّوحُ مِنْ أَمْرِ رَبِّي
وَمَا أُوتِيتُمْ مِنَ الْعِلْمِ إِلَّا قَلِيلًا)

صدق الله العظيم
(الإسراء : 85)

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