

الجمهورية الجزائرية الديمقراطية الشعبية
PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA
وزارة التعليم العالي والبحث العلمي
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH
جامعة -البليدة 1-
SAAD DAHLEB BLIDA UNIVERSITY



كلية التكنولوجيا
Faculty of science and technologie
قسم الهندسة المدنية
Civil engineering department

مذكرة نهاية التخرج

MASTER THESIS IN CIVIL ENGINEERING

Presented for obtaining

MASTER'S DEGREE IN CIVIL ENGINEERING

Option : construction materials

THEME

THE USE OF LOCAL LIGHTWEIGHT AGGREGATES FOR THE MANUFACTURE
OF MORTAR AND SCREED

By

**BAL NOURHANE
KHALDI MAROUA**

Supervisors

Pr. SAID KENAI

Dr. WALID YAHIAOUI

Blida, October 2021