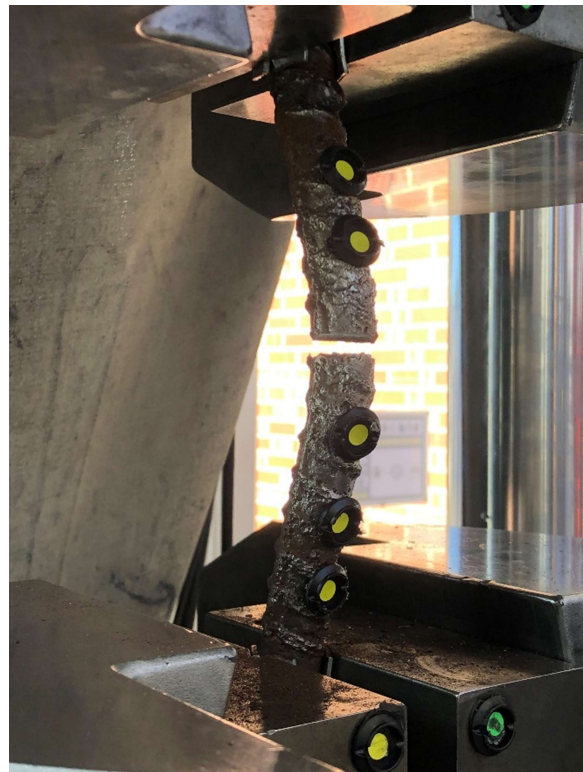a) Test setup

b) Bar loaded in UTM

c) Buckled bar in compression loading

d) Fractured bar