



DEPARTEMEN
TEKNIK MESIN



farmakes



**FABRICATION & CHARACTERIZATION OF AN
AFFORDABLE CONDITIONED BIO-SPECIMEN
TO ADOPTED
CONBIPORT**

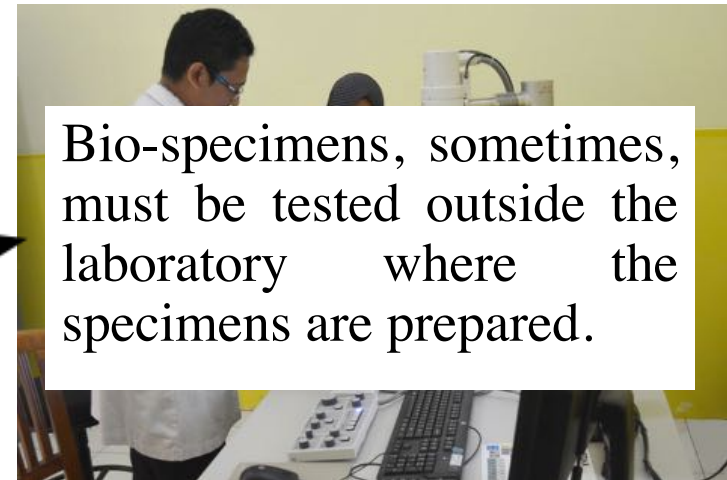
FOR URBAN AREAS

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Whulanza*

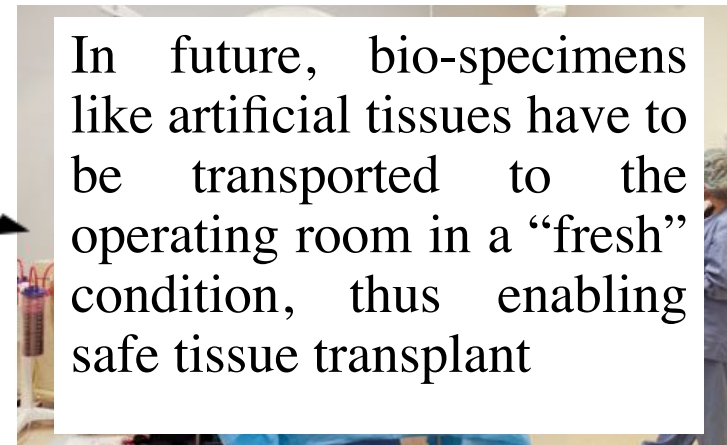


Rabu, 11 Sep 2019

Background

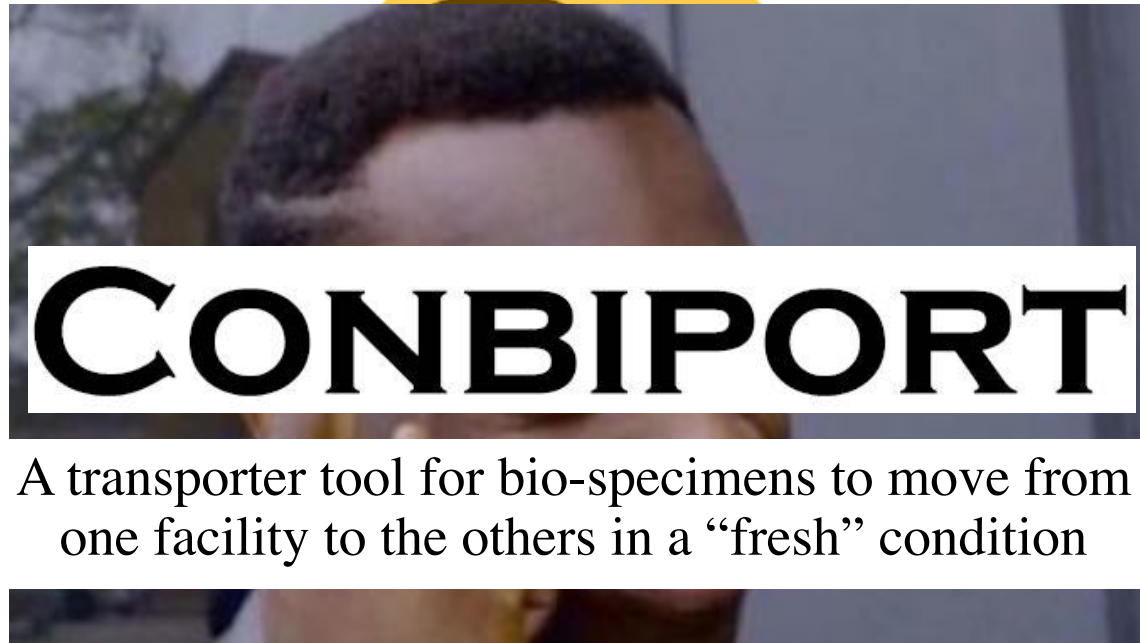


Bio-specimens, sometimes, must be tested outside the laboratory where the specimens are prepared.

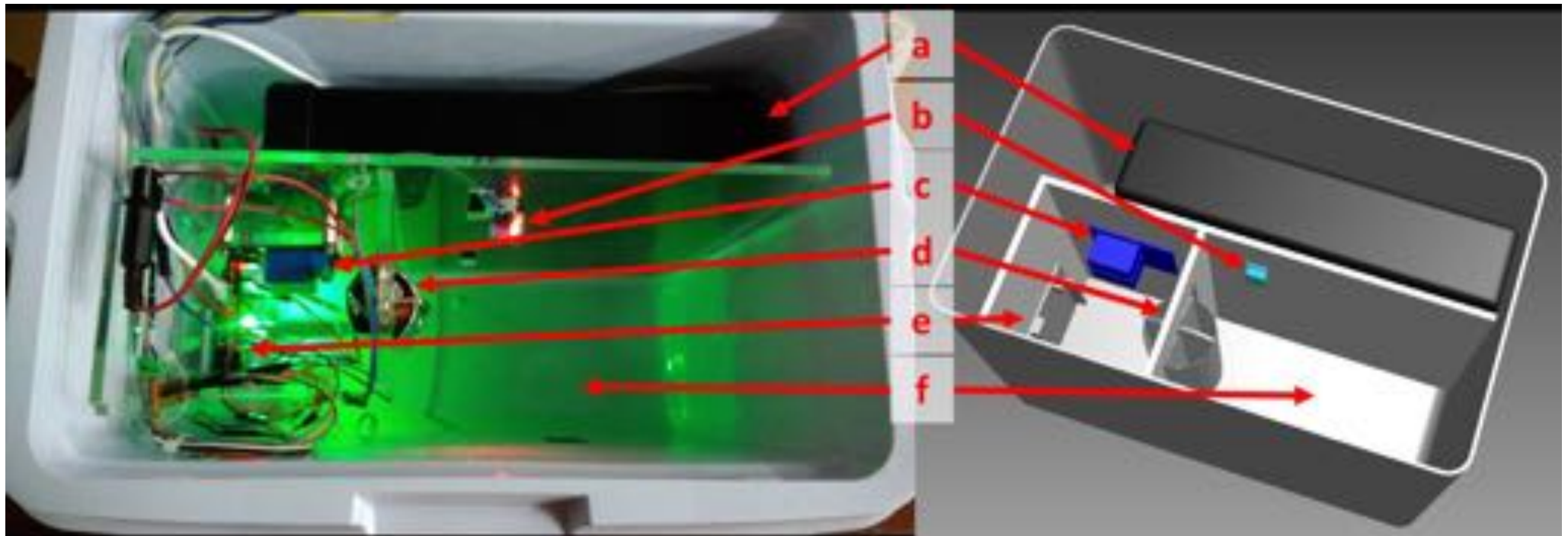


In future, bio-specimens like artificial tissues have to be transported to the operating room in a “fresh” condition, thus enabling safe tissue transplant

So What ???

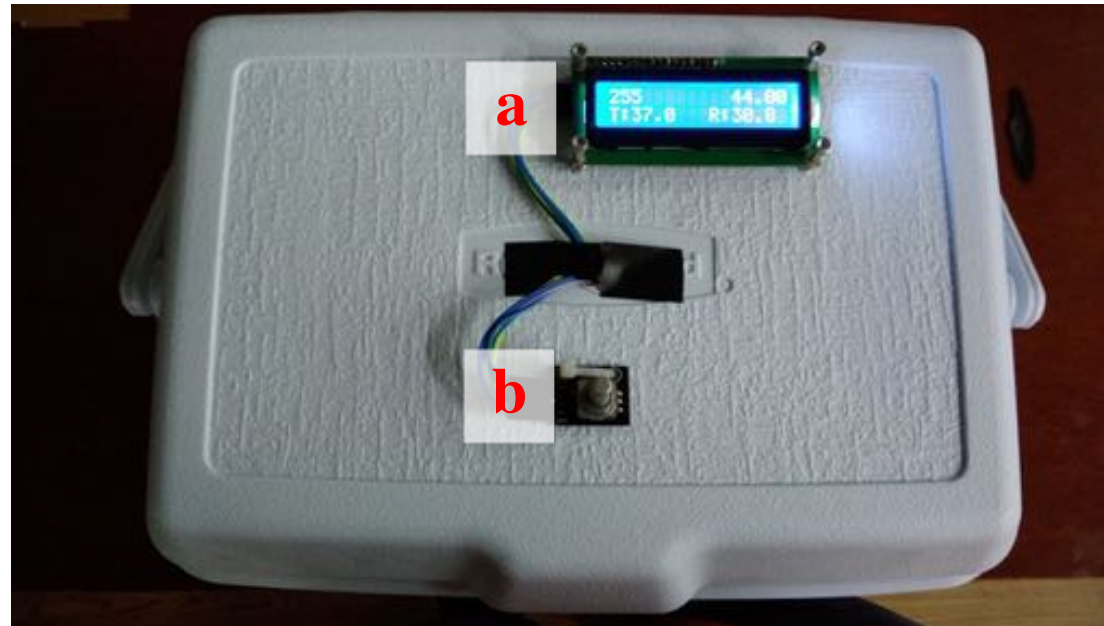


Let's take a look at Conbiport!



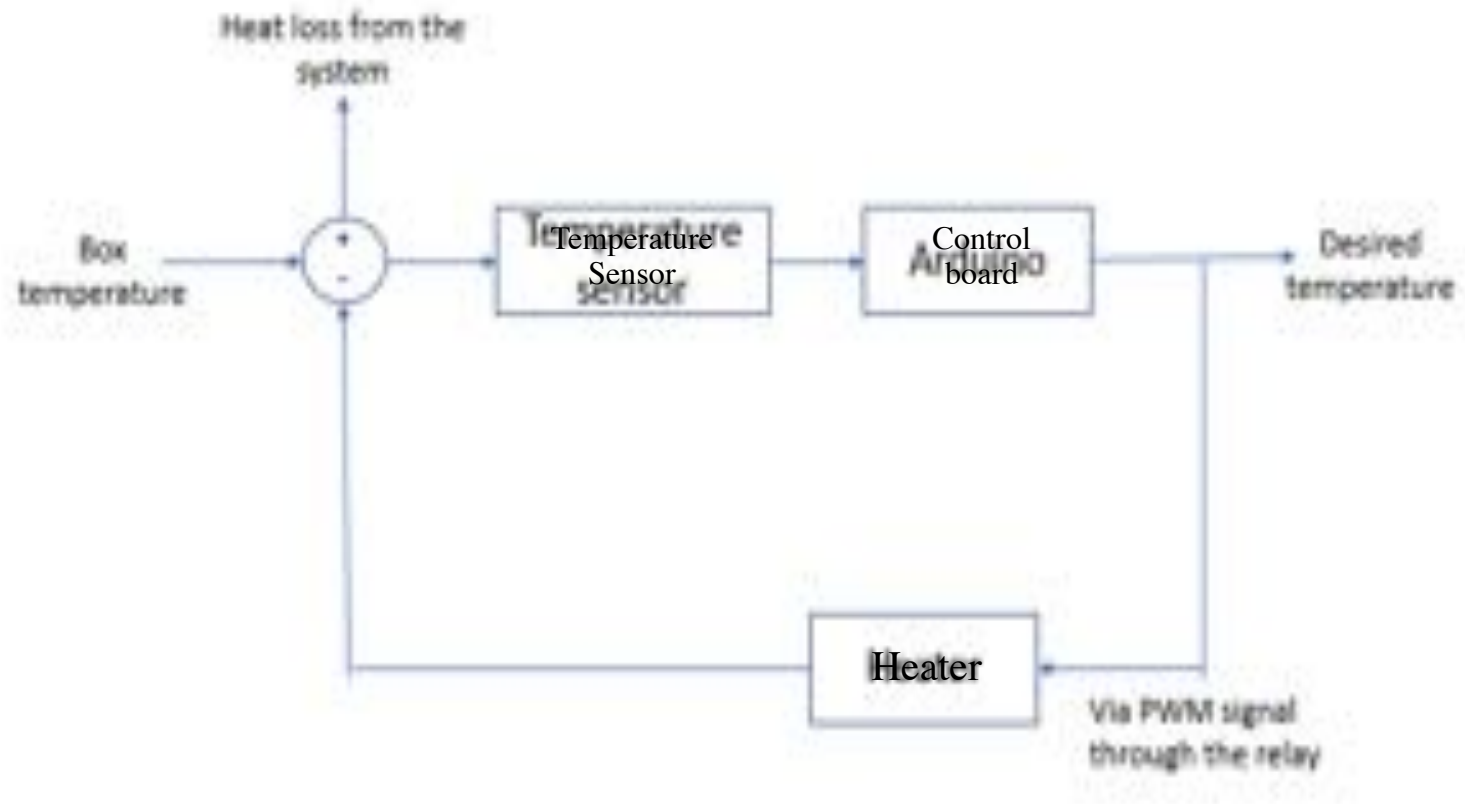
a battery (a), a temperature sensor (b), a relay (c), a heater (d), a control system board (e), an active space for the bio-specimens (f)

Let's take a look at Conbiport!



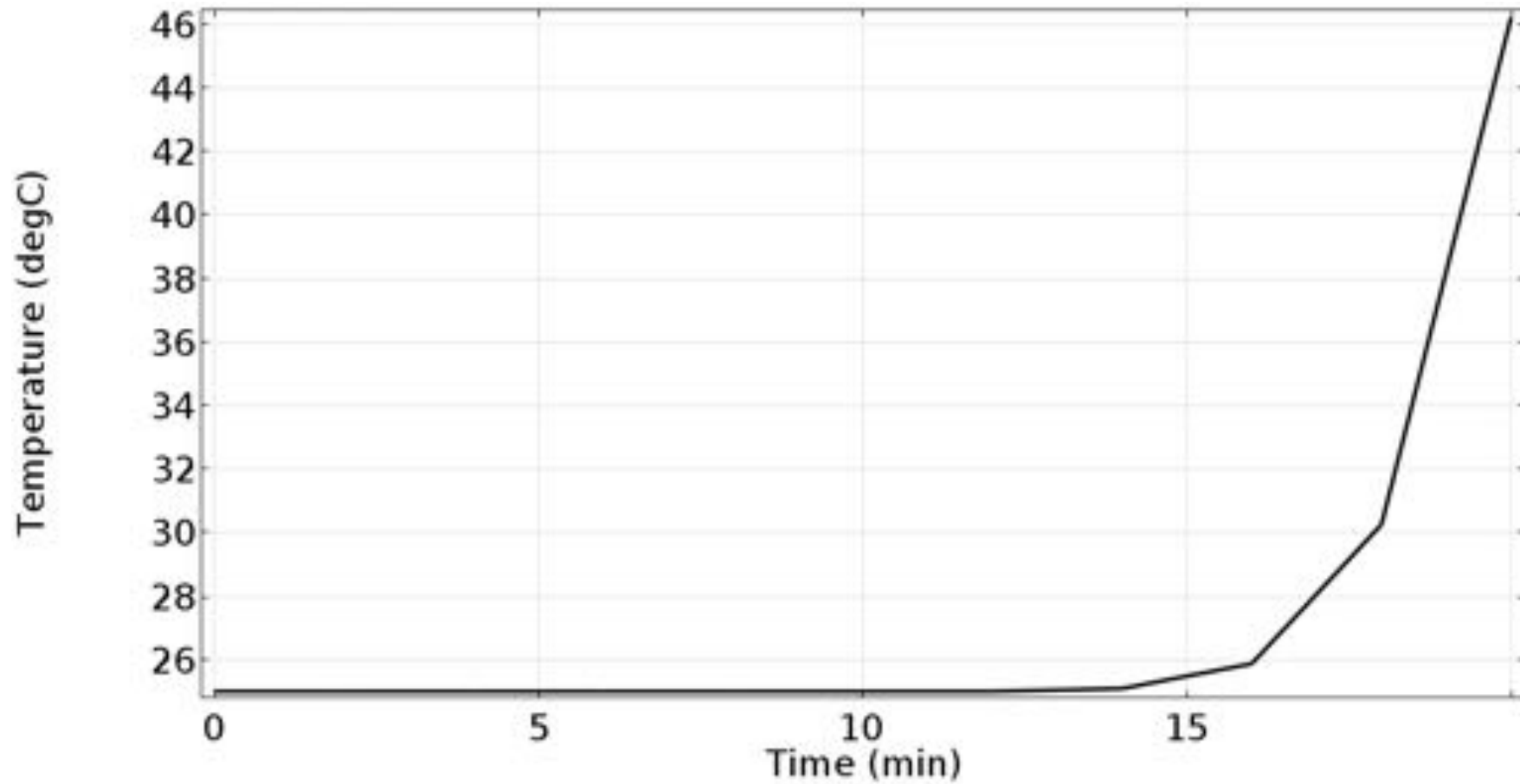
A readout LCD (a) and a rotary control (b)

How does it work?



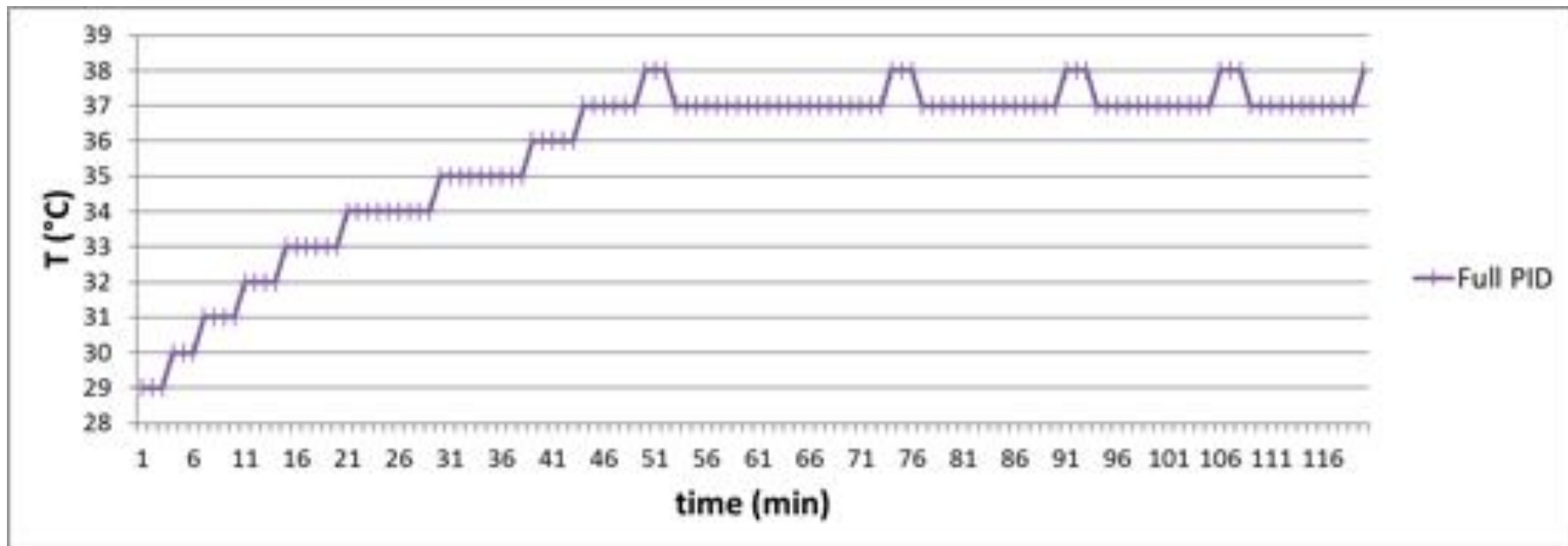
Control System Mechanism

We simulated it first



Simulation
Result

It works !!!



Testing
Result

THANK YOU