

Joint Supervision at Tsukuba University

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Laboratory Waste Management (Atiqqoh Binti Apandi)

Konnichiwa! Its already December, meaning that my attachment here in University of Tsukuba will ended soon. I have gained a lot of fun and new experiences in my study, my research and everyday life but today I want to share how students here managed their wastes which maybe similar to Malaysian laboratories but still we can follow or improve our way on waste management right?

There were three kinds of wastes which are solid, liquid and bacteria contaminated wastes. Solid waste will be thrown in three types of dustbin which are for glassware, aluminum (or aluminium) and others. The other dustbin usually for tissue, paper and gloves wastes. These wastes will be collected by the cleaner and sent to recycling sites. For your information, the cleaner in Tsukuba University only took care of solid waste and outside laboratory area. Students themselves will clean the whole (inside) laboratory.

For liquid waste disposal it was handled in different bottles according to type of waste such as oil, organic waste, heavy metals waste, bod (biochemical oxygen demand) waste, cod (chemical oxygen demand) waste and others. These bottles were handled by only the specific or assigned student. Lastly, bacteria contaminated wastes first will be autoclaved for 5 minutes at 121°C to kill all the bacteria then will goes to recycling sites.

That's from me so far, I hope this information will be implemented in Malaysia or MJIT laboratories. Thank you,



PHOTOS

LEFT: Three different dustbins for glass, aluminum and other wastes

RIGHT: Different container jars and different bottles for specific type of liquid wastes were managed by Eto-kun.