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INOW ASIA

Living Lab of
Souphanouvong University
Luang Prabang, Laos PDR





The list of equipment Souphanouvong purchased

- 1) Photometer System Multidirector
- 2) Photometer System MD 200 COD VARIO
- 3) Photometer MD 600
- 4) Thermoreactor RD125
- 5) BOD Meter Lovibond BD600
- 6) Biochemical incubator of SPX Model

Pictures on below

An explanation on the purpose of this equipment in the LL

1. Photometer System Multidirector Photometer System MD 200 COD VARIO

used in almost all areas of water analysis. It is a single-parameter colorimeter explicitly designed to measure **COD (Chemical oxygen demand)**

2. Photometer MD 600

The Lovibond MD 600 is a portable colorimeter suitable for wastewater, drinking water, and process water applications. Pre-programmed with over 100 Lovibond methods using a tablet, liquid, tube test, or powder pillow reagents.

3. Thermoreactor RD125

for sample preparation of photometrical determination of COD, total chrome, total phosphate, total nitrogen, and TOC

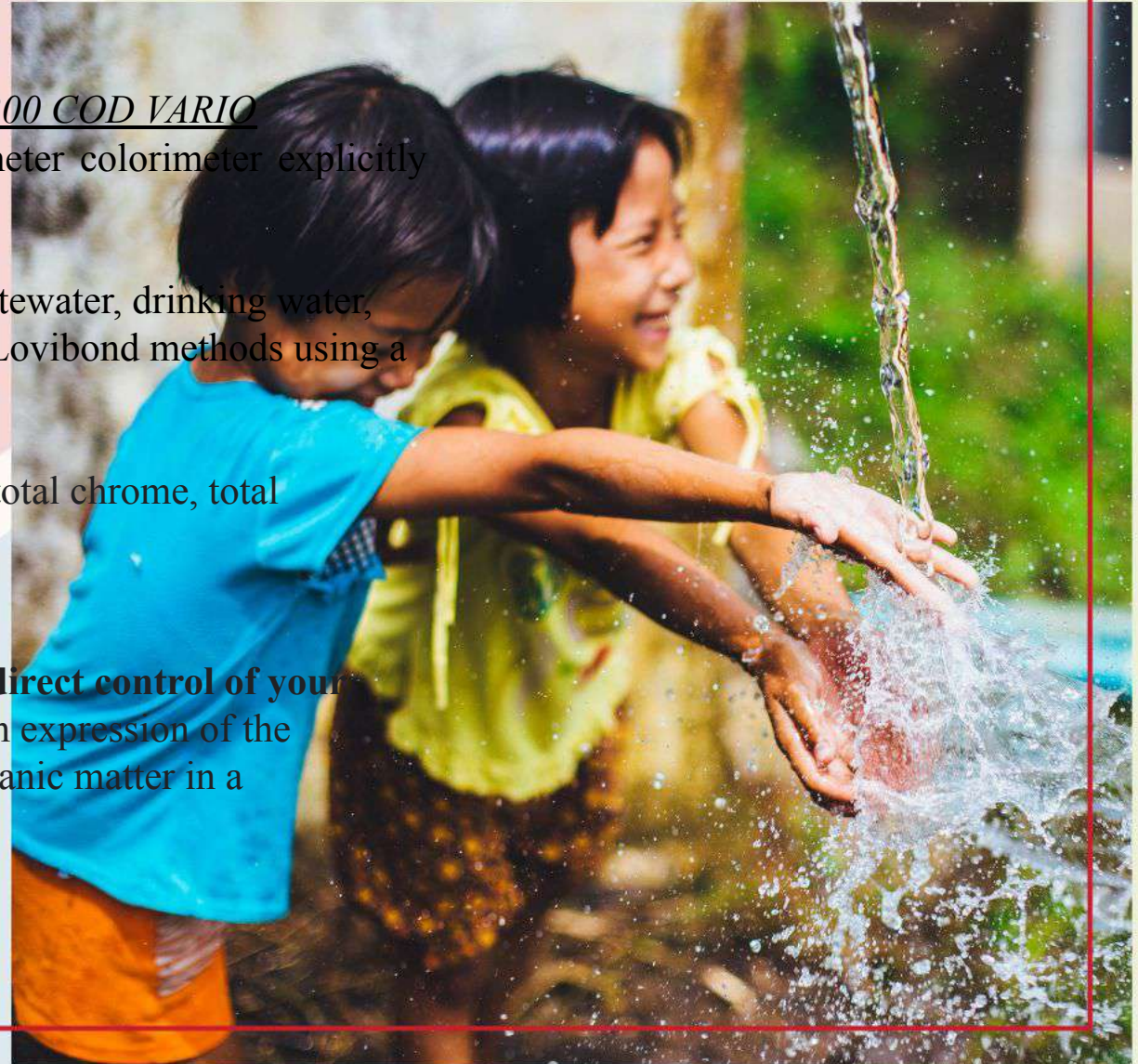
5. BOD Meter Lovibond BD600

6. Biochemical incubator of SPX Model

The Lovibond BD600 is accurate, and automatic and **gives you direct control of your wastewater samples**. Biochemical Oxygen Demand (BOD) is an expression of the quantity of oxygen required for the biological degradation of organic matter in a wastewater sample.

All of equipment's the living we will use

- for measuring wastewater, Drinking Water in Souphanouvong University and Luang Prabang
- For Research
- For practice on PBL Courses Title of the course is Chemistry-Environment and Management in Chapter 6 wastewater management.



- 1) Now Mr. Anousith VANNAPHON using Photometer MD 600 for research on the topic of chlorine dioxide in tap water and drinking water at Souphanouvong University.
 - 2) Practice area of master's students on PBL course
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- ❖ Students will involve in SU's Living Lab because we will use LL included in the curriculum, especially on PBL Courses Title of the course is Chemistry-Environment and Management in Chapter 6 wastewater management and students will involve in this LL to research their thesis and other research.
 - ❖ for Internships under INOWASIA project support at SU we will host 2 internships, on activities related to SU's LL and we would like to give them to Use experimental equipment in research related to wastewater and chemical in water, especially the research on wastewater in Luang Prabang because Luang Prabang is work heritage and Now the number of tourists has increased significantly and the use of water has caused pollution and has a significant impact.



Equipment pictures

Environment Laboratory



Environment Laboratory



photometer System Multidirector



Photometer System MD 200 COD VARIO



Photometer MD 600



Thermoreactor RD125





BOD Meter Lovibond BD600



Biochemical incubator of SPX Model





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THANK YOU

