



# MADIOKOLLODISTRICTLOCALGOVERNMENTWATERDEPARTMENT

PRESENTATION ON THE MOBILE LABORATORY  
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# THE MOBILE LABS



THE BASIC MOBILE LAB



THE ADVANCED MOBILE LAB



# MOBILE LAB COMPONENTS



Turbidity tubes/meters  
Cool bags  
Sample collection tubes and bags  
PH meters  
Photo chemical meter  
Absence/presence tests tubes  
Membrane filtration components(Advanced)  
Incubator with Solar plates  
Waste banks  
Lab coats  
Data collection materials





# LAB BEFORE THE MOBILE LAB





# CHALLENGES TO WATER QUALITY TESTING BEFORE THE MOBILE LABS



Electric power dependent kits

No rapid tests

Mobile kits without working platforms

Filtration depended kits

Limited training especially in lab management and data

User unfriendliness

Laboratory based tests



# HOW HAS THE MOBILE LAB CHANGED WATER QUALITY ANALYSIS CHALLENGES



- Onsite testing has reduced costs especially on transportation
- Testing including bacteriological tests can be performed by community volunteers
- Increased tests per quarter (over 100 sources)
- Increased laboratory efficiency (70%)
- Good electronic data and timely reports
- The lab is very flexible
- User friendly equipment
- Ease of access to consumables through local partners (Aqua solution)



# CURRENT GAPS



Motor bike carriage equipment

Set up

Resources that's human, money and time

Accreditation





## FIELD EXPERIENCES WITH THE MOBILE LAB







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## LD EXPERIENCES WITH THE MOBILE LAB







# AFWASA EXHIBITION

