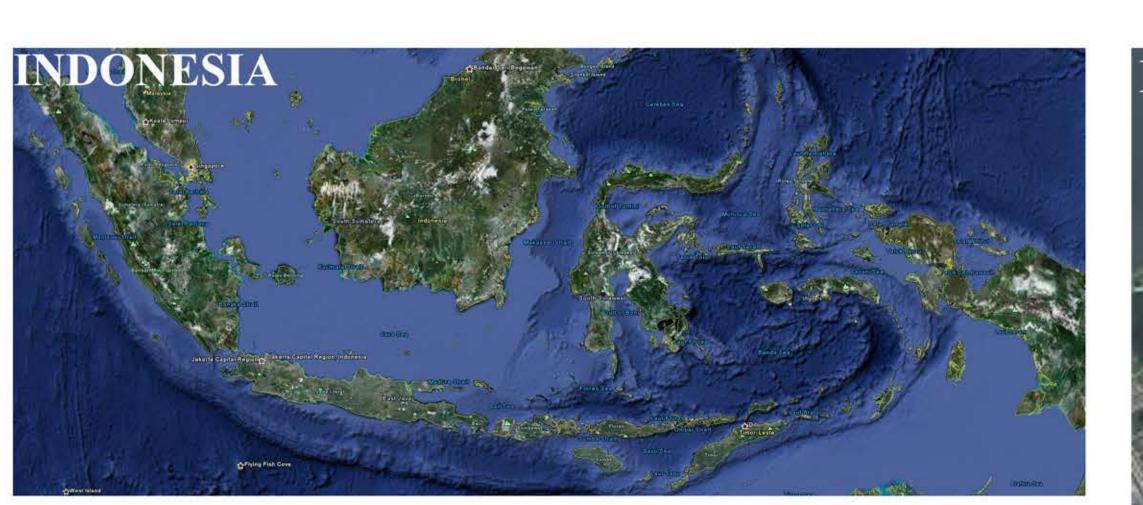
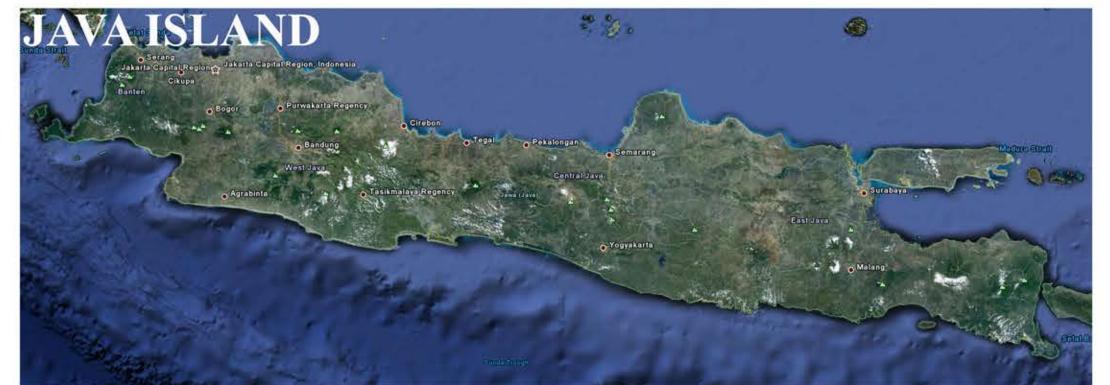
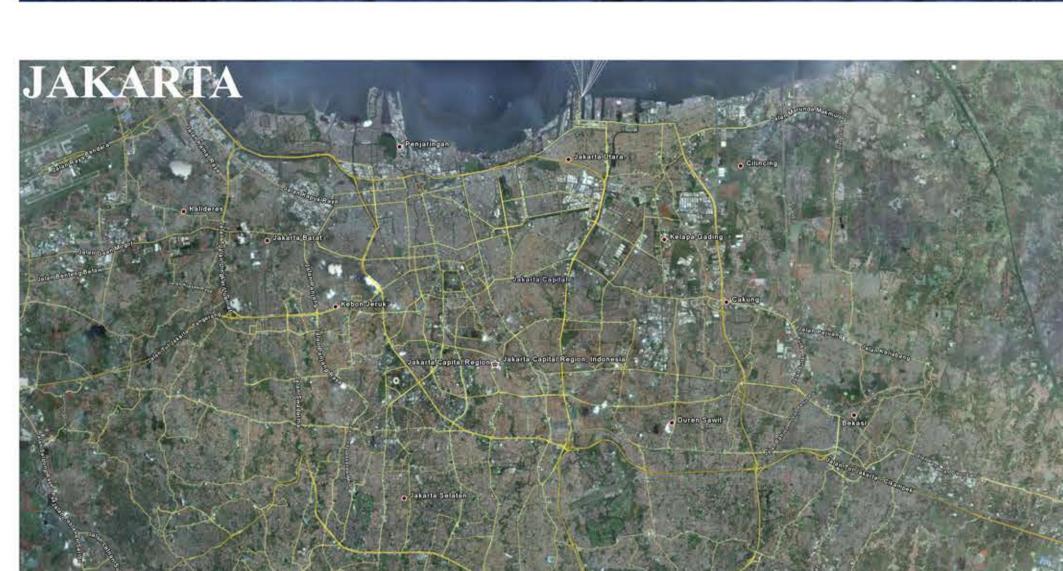
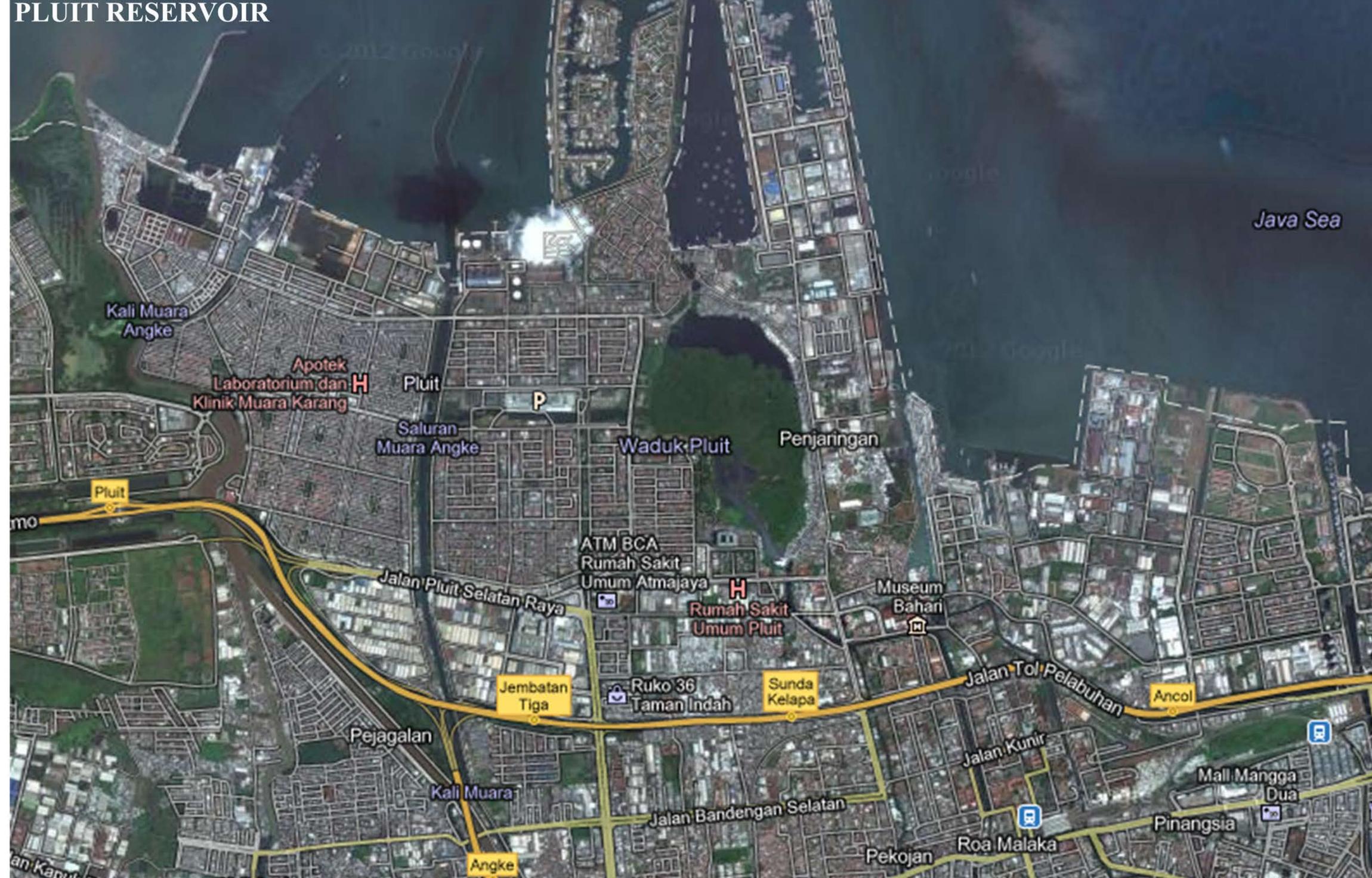
## LOCATION







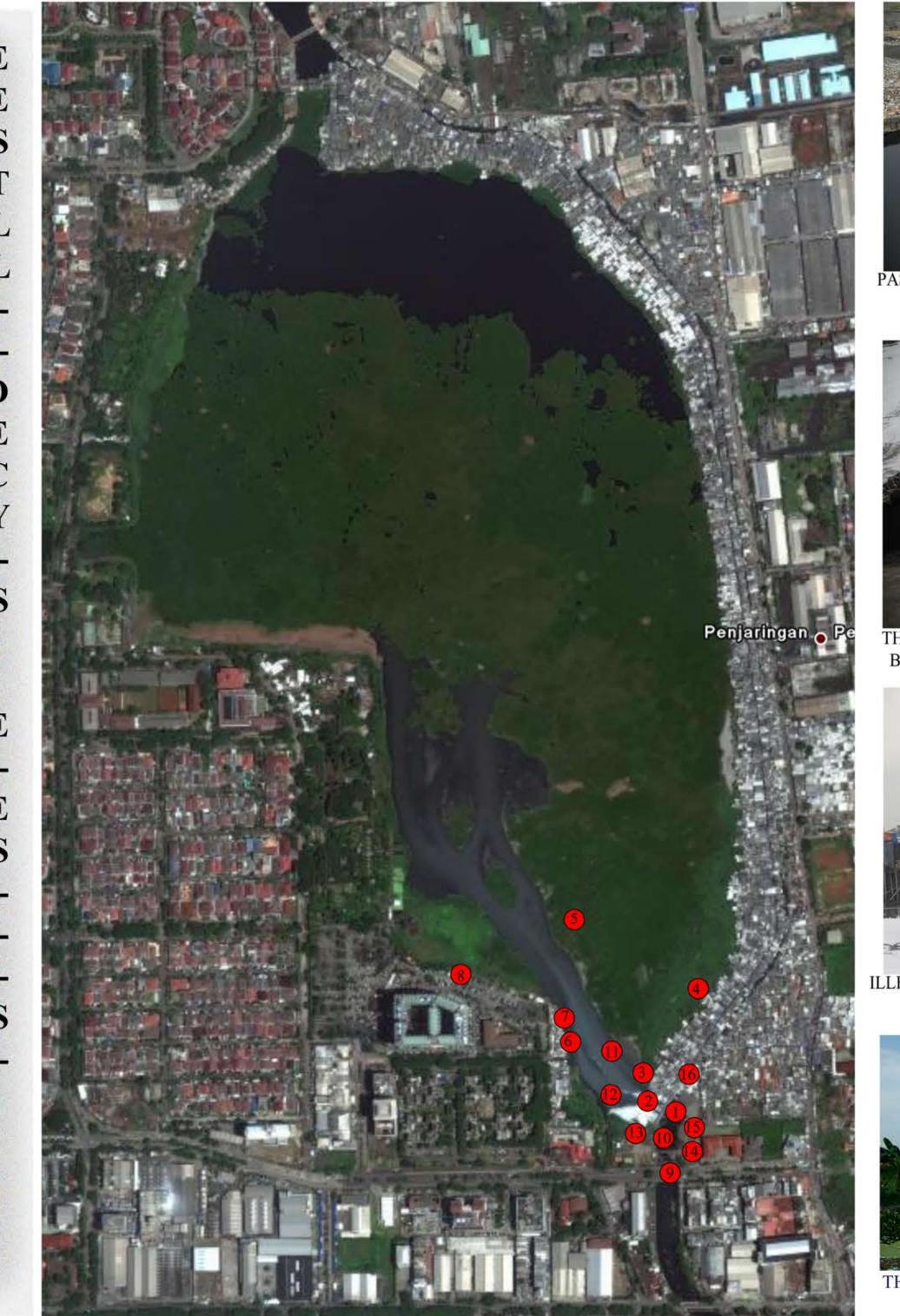


## BACKGROUND

INDONESIA IS A TROPICAL COUNTRY WITH HIGH RATE OF RAINFALL. IN LINE WITH THE DEVELOPMENT OF A CROWDED CITY, FLOOD CAUSED BY HEAVY RAINS ARE COMMON TO HAPPEN IN METROPOLITAN CITIES LIKE JAKARTA. PLUIT RESERVOIR IS ONE OF THE WATER STORAGE RESERVOIRS THAT PREVENTING FLOODING LOCATED AT PEJARINGAN, NORTH OF JAKARTA. OVER TIME, PEOPLE STARTED TO SET UP ILLEGAL HOUSING IN THE EDGE OF PLUIT RESERVOIR. INCREASING IN NUMBER OF ILLEGAL HOUSING FROM TIME TO TIME, ILLEGAL HOUSING IS STARTED TO PROTRUDE TO-WARDS THE RESERVOIR. OTHER PROBLEMS ALSO EMERGING WITH THE WASTE DIS-POSAL INTO THE RIVER THAT ENDED IN THE RESERVOIR, SILTATION, UNCONTROLLED WILD PLANTS, AND DISPOSAL OF INDUSTRIALS WASTE INTO THE RESERVOIR MAKE THIS RESERVOIR DIRTY, SMELLY, AND EVEN NOT A LOT OF FISH AND OTHER AQUATIC ECOSYSTEMS ABLE TO LIVE IN THE RESERVOIR. THESE PROBLEMS ARE NOT ONLY CAUSED IN REDUCING OF RESERVOIR CAPACITY BUT ALSO DAMAGING THE ENVIRON-MENT OF THE RESERVOIR AND THE SURROUNDING ECOSYSTEM INCLUDING HUMANS

IN SPITE ALL OF ITS PROBLEMS, PLUIT RESERVOIR IS SAVING A LOT OF POSITIVE POTENTIALS WHERE THE POTENTIALS SEEM TO BE LOST AND IGNORED. COMMUNI-TIES AROUND THE RESERVOIR LIVE WITH LIMITED WATER SUPPLY THAT HAVE REACHED A CRITICAL LEVEL, IN ANOTHER PERSPECTIVE PLUIT RESERVOIR PROVIDES TONES OF WATER THAT POTENTIALLY TO BE USED BY THE COMMUNITIES. COMMUNI-TIES LIVE CLOSE TO UNTREATED GARBAGE THAT SPREAD ON LAND AND WATER, IN AN-OTHER PERSPECTIVE THERE IS A GOVERNMENT GARBAGE DISPOSAL CLOSE TO RESER-VOIR AREA. SEEN FROM THE EXAMPLES ABOVE, THERE ARE MANY CONTRADICTIONS THAT MAKE THE RESERVOIR WHICH SHOULD BENEFIT THE SURROUNDING COMMUNI-TIES BRINGING NEGATIVE IMPACTS THAT ADVERSE ITS SURROUNDING COMMUNITY.

## SITE PICTURES

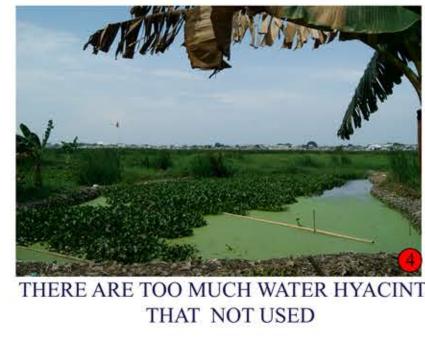




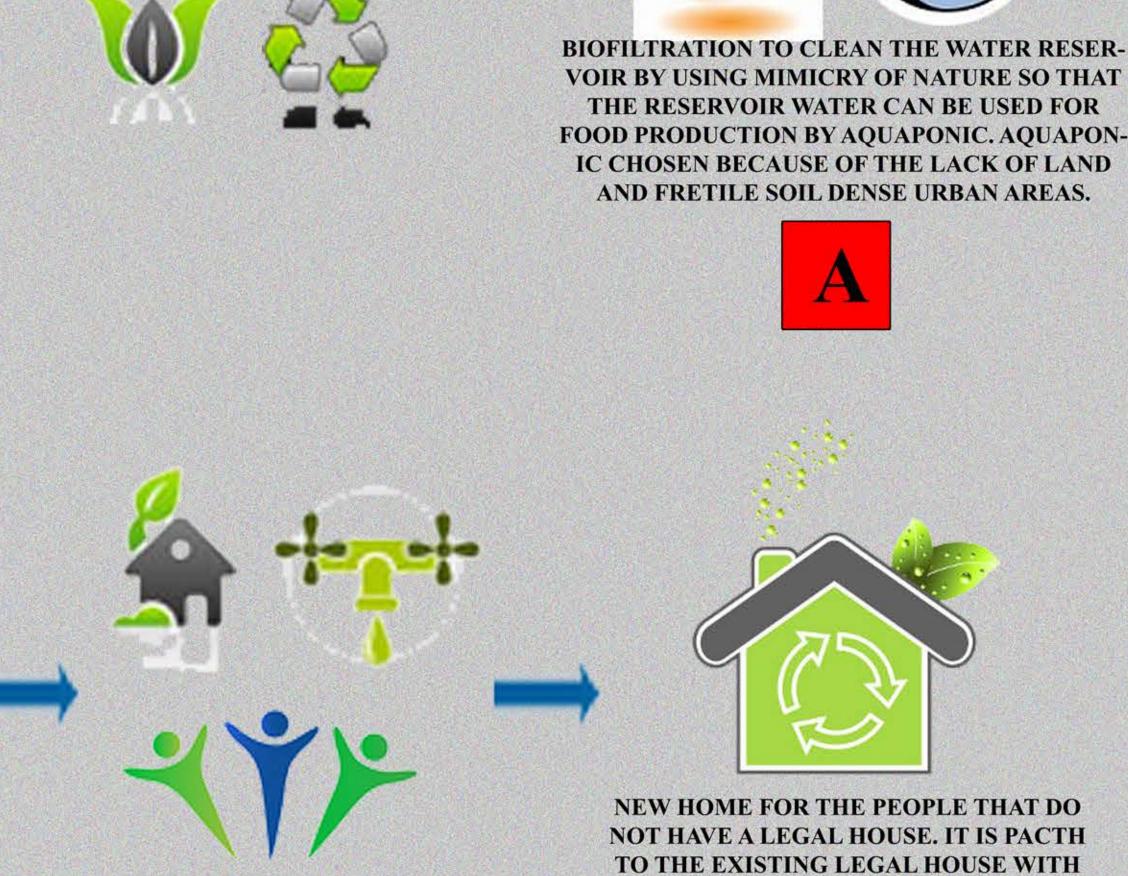












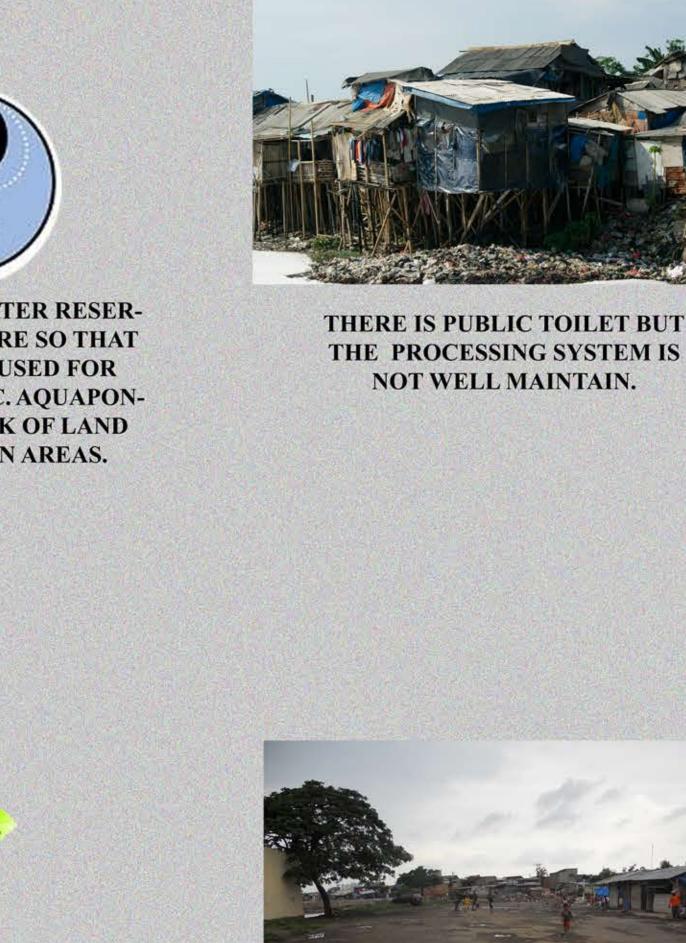
PHOSPHAT STANDART - 0.5 mg/L

PLUIT RESERVOIR - 0.25 mg/L - 1.9 mg/L

KONSENTRASI PHOSPAT SITU/WADUK WILAYAH JAKARTA UTARA

CONCEPT

THE SYMBIOSIS APPROACH



PROBLEMS

LIZE WITH ANY ACTIVITIES



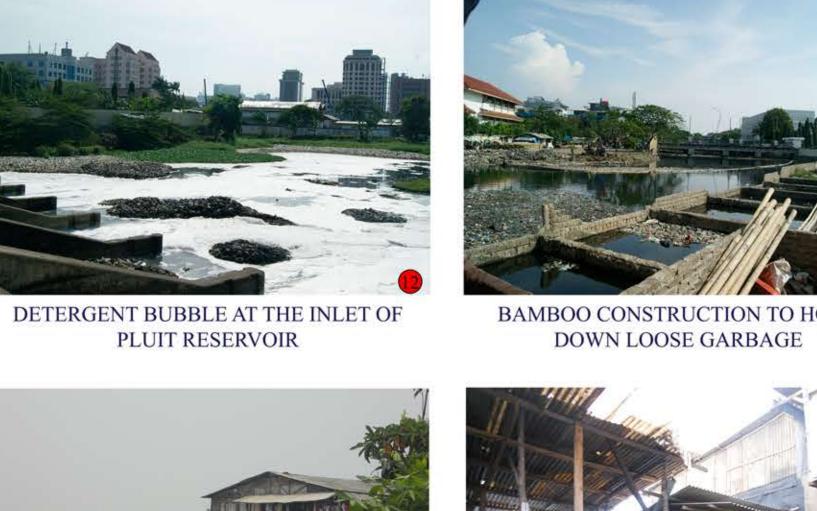
POTENTIALS



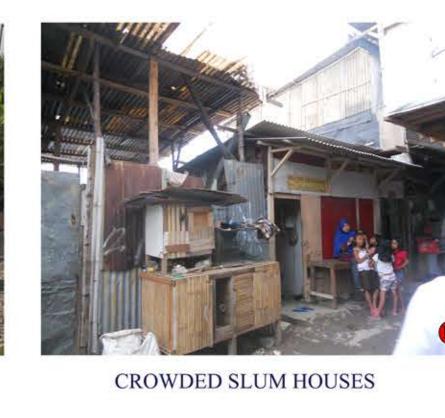






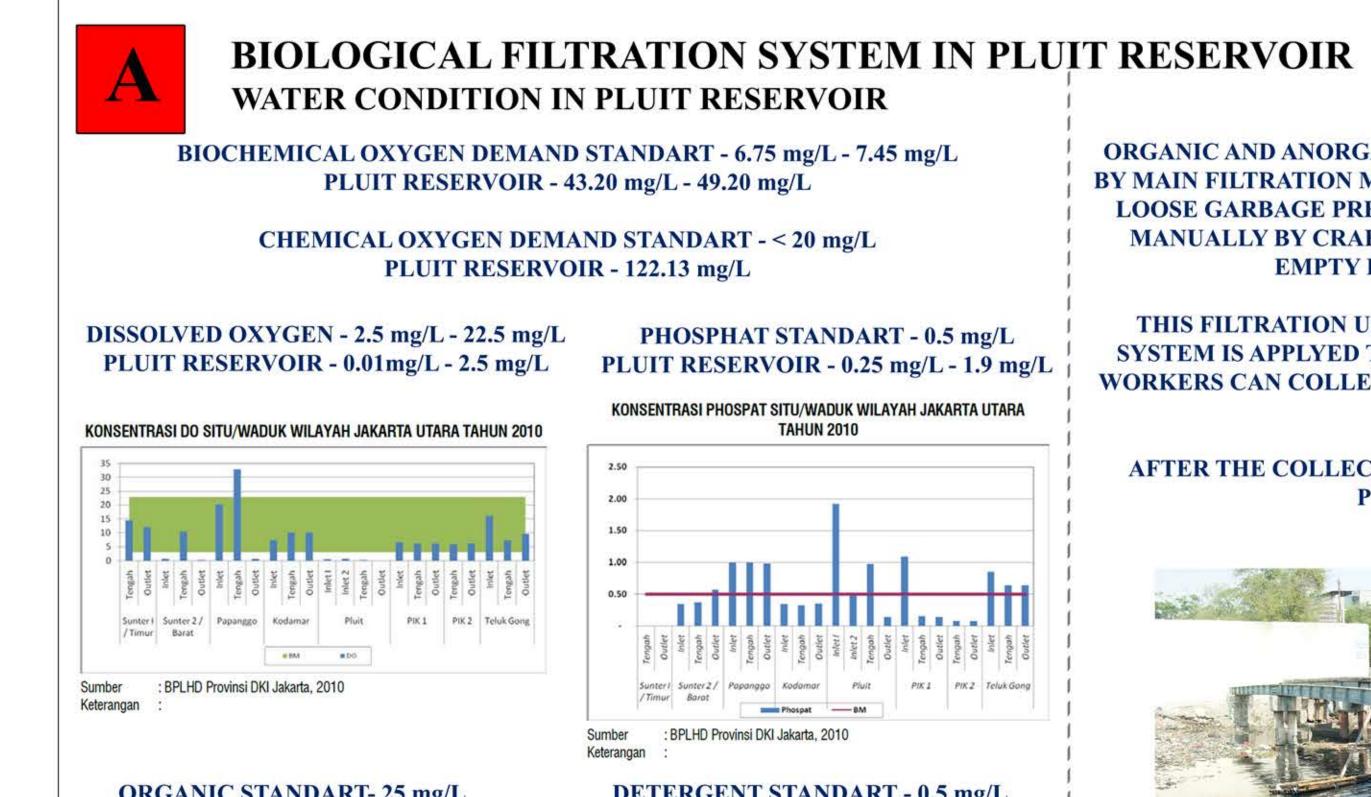


THE FRONT OF PLUIT GATE



SYMBIOSIS HOUSE

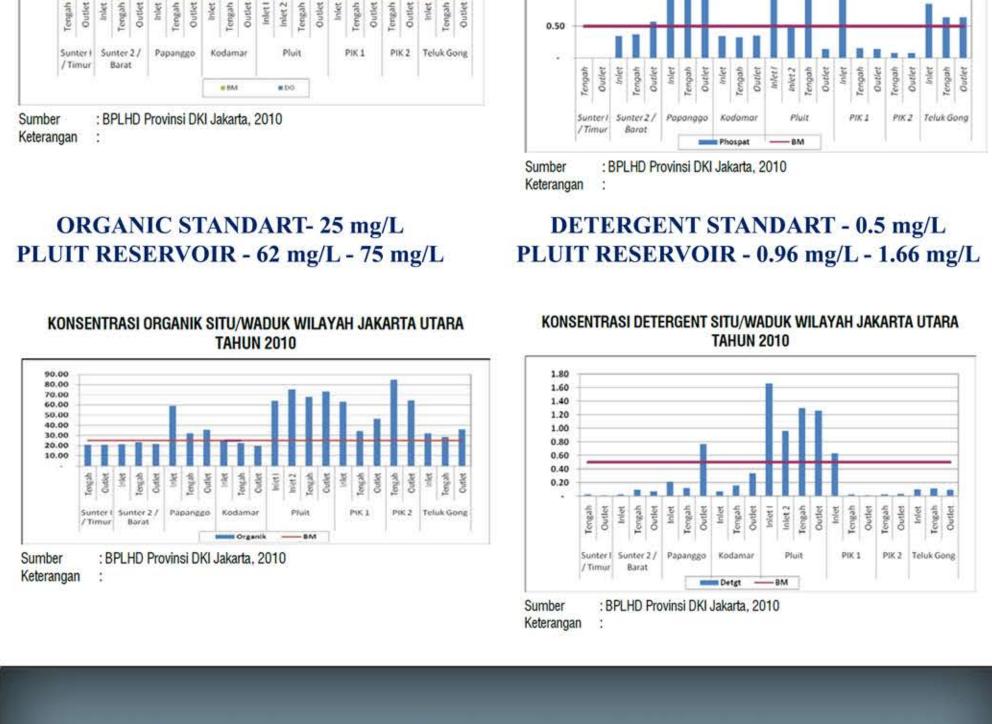
TION MACHINE

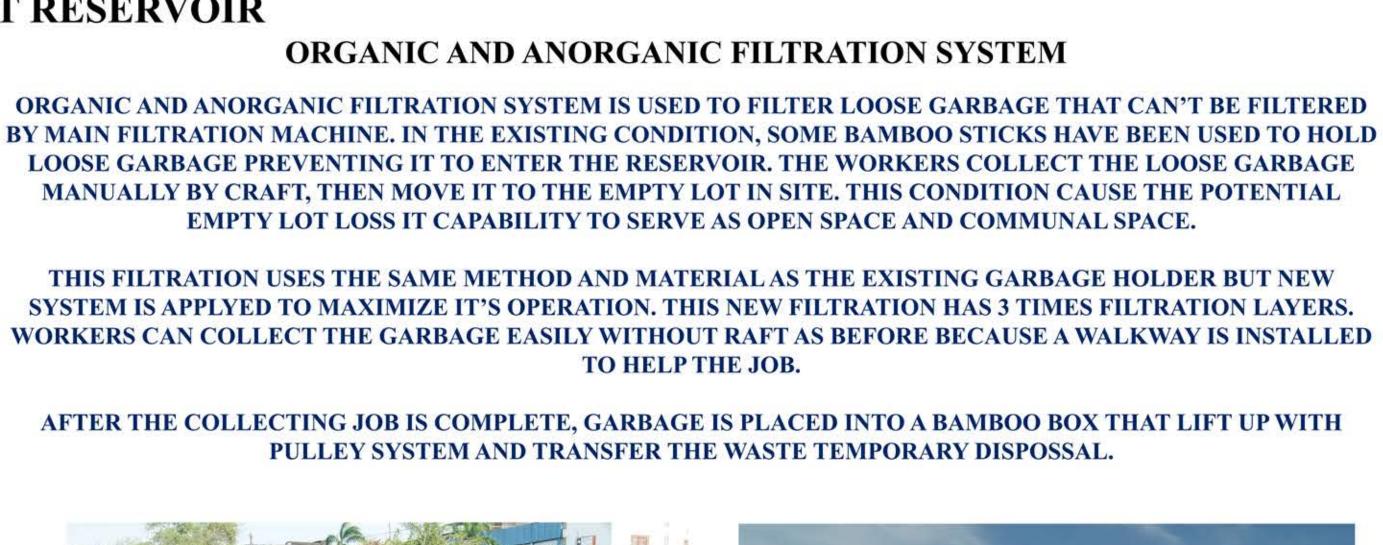


ILLEGAL SETTLEMENT OF

UNDERPRIVIEGED PEOPLE

**BAMBOO CONSTRUCTION** 









CONCEPT

NEW PUBLIC TOILETS ARE PLACED IN DISTANCE 30

METERS EACH. IT IS HAVE WASTE THREATMENT SYSTEM

THAT CHANGE HUMAN WASTE INTO BIOGAS. THE ROOF

USE FOR THE TOILET NEEDED.

CAN ALSO BE A RAINWATER HARVESTING THAT CAN BE

COMMUNAL AREA WITH GREEN SPACE

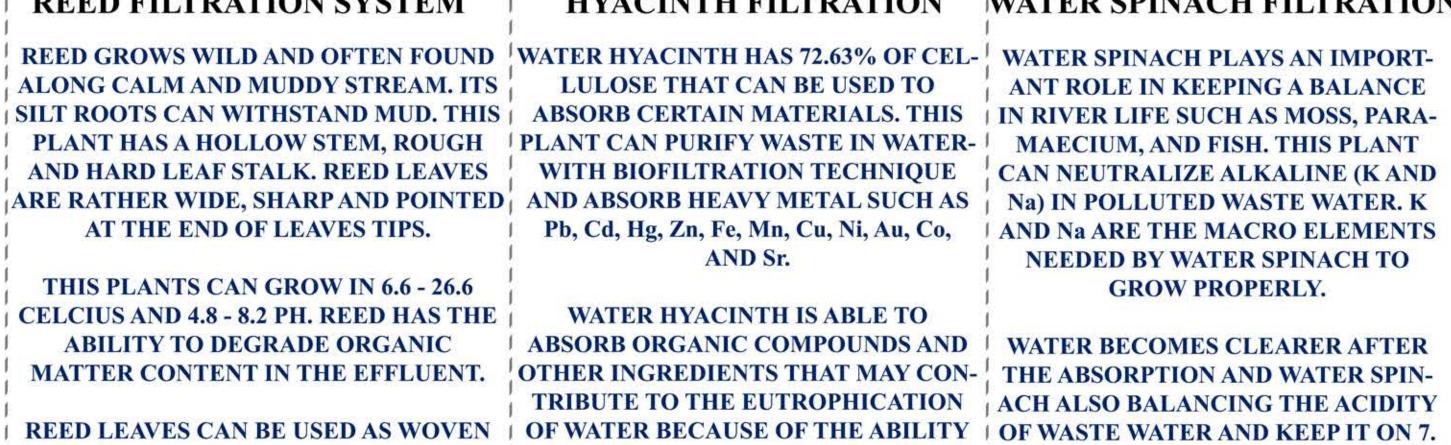
AND RAIN WATER HARVESTING FOR THE

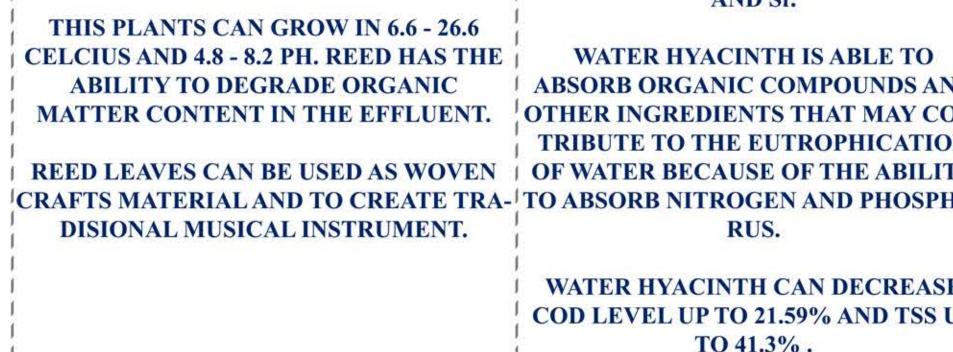
ENTERTAINMENT AND FULFILL THE

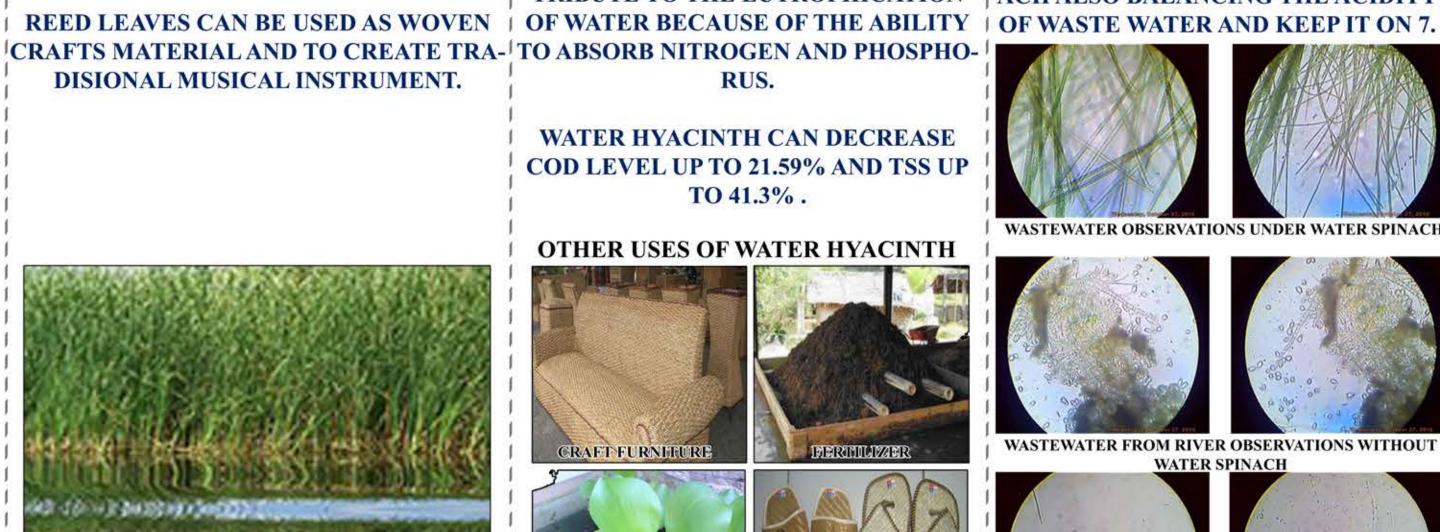
PEOPLE NEED OF CLEAN WATER.

OXYGEN FROM ALGAE PLANTATION

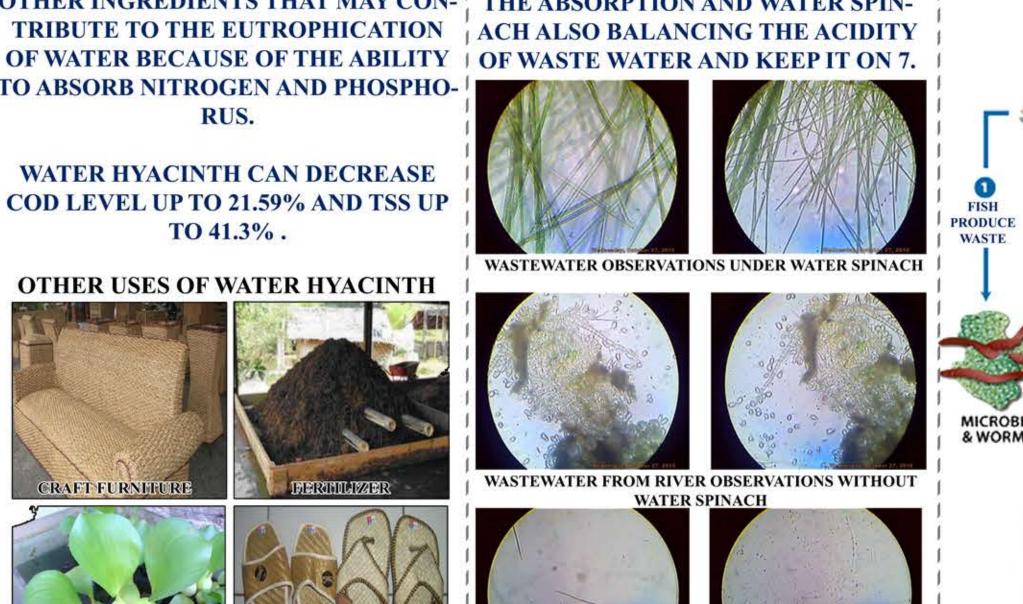
WIH HIGH CONCENTRATION OF SALT.







THE RESERVE THE PROPERTY OF THE PARTY OF THE



NEEDED BY WATER SPINACH TO

GROW PROPERLY.

