Inda D Lestantri[1], Taufik Riskyanto[2], Elan Suherlan[3], Yusnita[4], Sri Chusri Haryanti[5]

indahdl2005@gmail.com[1], topik2510@gmail.com[2], elan.suherlan70@gmail.com[3], yusnitaarnowo@gmail.com[4], chusri.haryanti@gmail.com[5]

[1),2),3),4),5)] Department of Informatic, Univeritas YARSI, Jakarta Indonesia

RISTEKDIKTI

# M-HEALT CARE

m-Health Care is an application that is currently being developed for pregnant women and toddlers with a focus on an individual electronic recording that can be accessed online. The development of m-Health Care is expected to increase public awareness of the importance of health so that it can create a healthy and independent society.
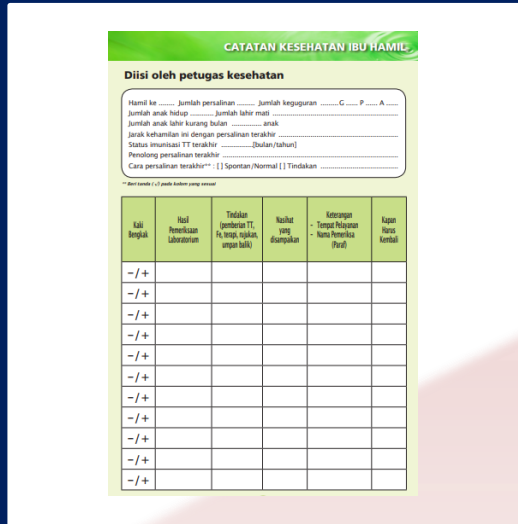
## Introduction

Most pregnant women and toddlers seek treatment at the Health Center

Need to improve services at the Health Center

Manual medical record

Reducing maternal mortality

## Benefits

❖ Single data base
❖ Integrated with other health software ( e-KIA and e-visualization )
❖ Individual citizen can see their medical records
❖ The medical records can be used other purposes without re-checking
❖ Based on point 4, medical records have an impact on decreasing costs, faster services, and increasing life rates

## Method

❖ Interview
❖ Questionnaires
❖ Using prototyping approach
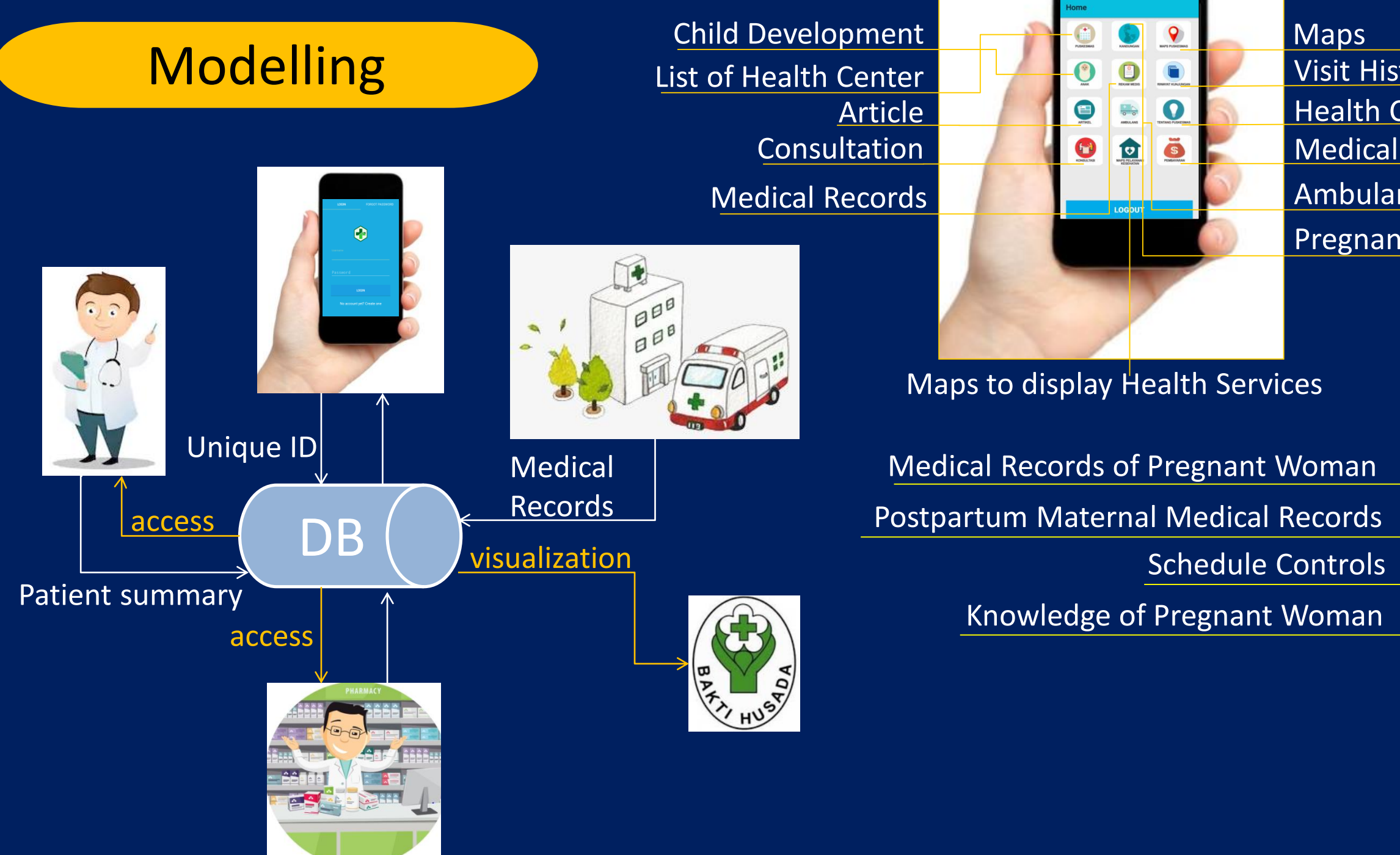❖ C 45 Algorithms

## Conclusion

This application has been tested to pregnant woman and health workers in several Public Health Centers. From the test results, this application has a relatively high level of usability with a value of 87.64%

## Modelling

Unique ID
Medical Records
DB
access
visualization
Patient summary
access

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Child Medical Records
Imunization Schedule

### FEATURE OF M-HEALTH CARE

Child Development
List of Health Center
Article
Consultation
Medical Records

Maps
Visit History
Health Center Profile
Medical Payment
Ambulance Positions
Pregnant woman

Maps to display Health Services

Medical Records of Pregnant Woman
Postpartum Maternal Medical Records
Schedule Controls
Knowledge of Pregnant Woman

## GRAPH

**Johnson Toshack**
Formula
$$B = (TFU - N) \times 155$$

**Classification**
C45 Algorithms

DECISION TREE

HEMOGLOBIN
normal / anemia
ARM CIRCUMFERENCE
AT RISK
good / less
AGE
AT RISK
young / moderate / old
AT RISK
BLOOD PRESSURE
AT RISK
hypertension / normal
AT RISK
UNRISK
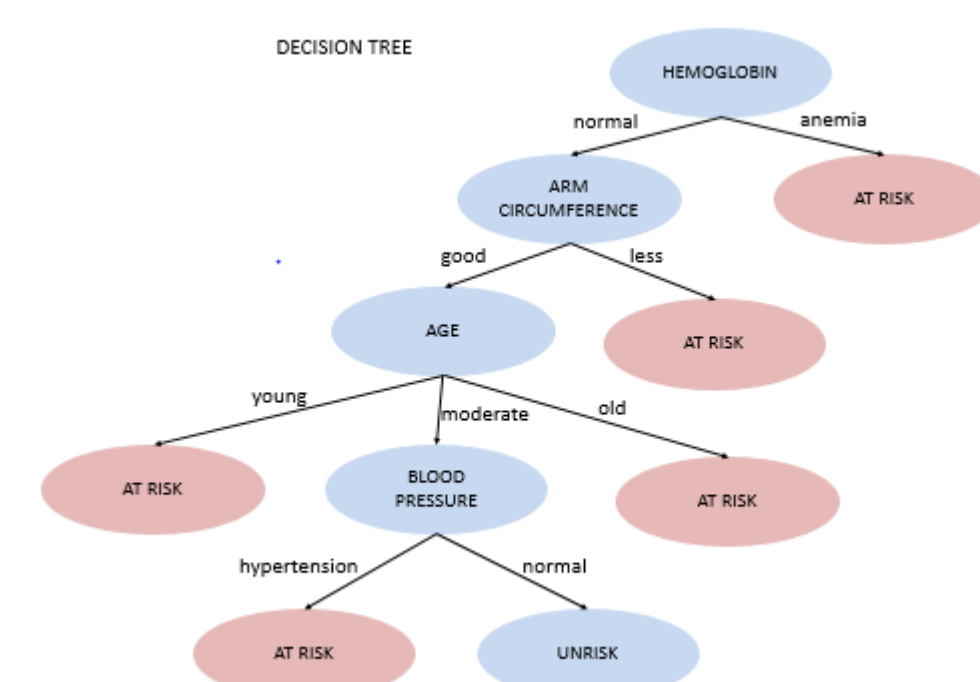
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