

GREAT SCALE

SCALE MOBILE APPLICATION

MANPRO : AGUNG RYADI, S.SI. M.KOM



PROJECT MANAGER



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INTRODUCTION

4312211009 - 4312211017 - 4312211022 - 4312211002 - 4312211024



**Azahra Nouvanda
Guzka**
[Leader]



**Lidya Khairani
Kisan**



Muhammad Rifai



Luiz Gonzalez



Dendra Dara Lucky



GREAT SCALE

DESCRIPTION

Mobile scale applications based on cellular and IoT technology offer a convenient solution for measuring and monitoring various parameters via mobile devices connected to the Internet of Things (IoT). These applications facilitate accurate weight measurements and scale monitoring, such as weighing kitchen ingredients, which can be easily monitored through a mobile app.



COURSE CONTRIBUTIONS

MULTIMEDIA IOT SYSTEM

Integrate IoT sensors with multimedia devices to produce innovative solutions

OBJECT PROGRAMMING

Design and implement software using the OOP modularity concept.

MOBILE DEVICE PROGRAMMING

Implement data management in mobile applications, managing resources such as battery and memory.

COMPUTER SYSTEM ADMINISTRATION

Understand computer resource management concepts, including CPU, memory, and storage

STATISTICS

Interpret the results of statistical analysis correctly and relate them to the research question or problem at hand

CIVIC EDUCATION

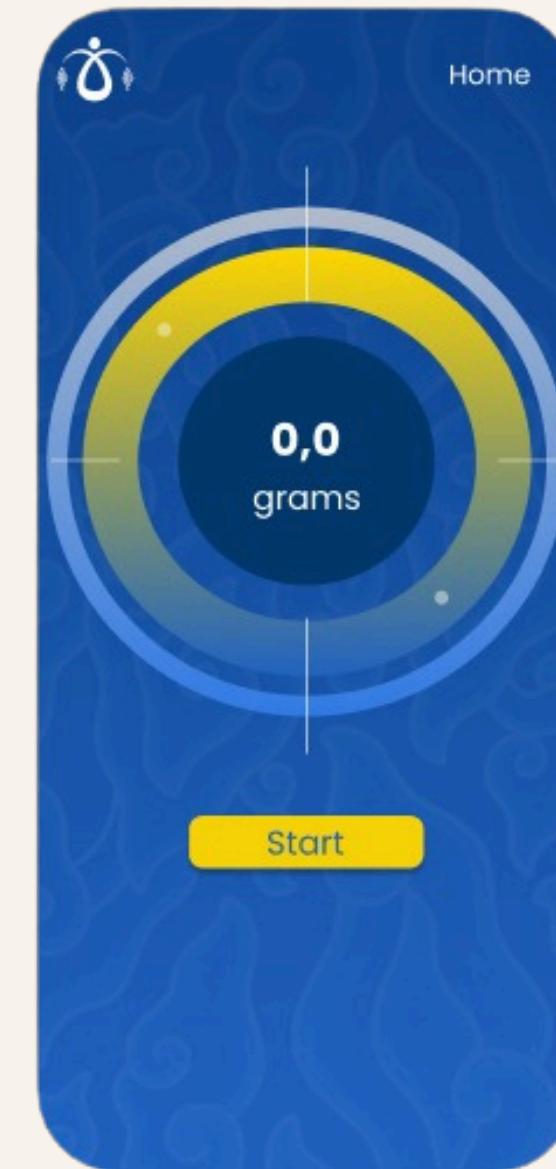
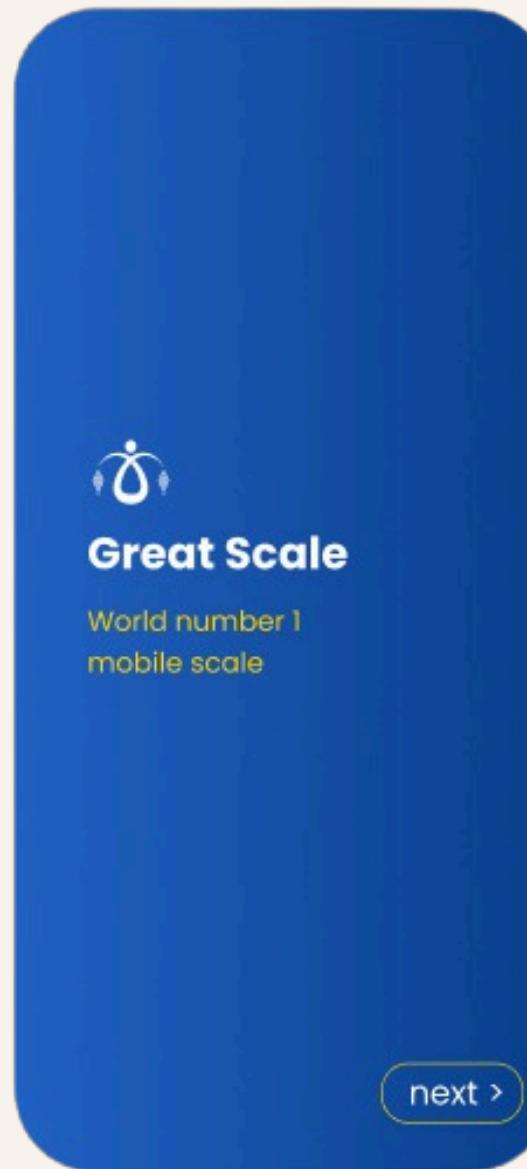
Participate in simulations or projects that encourage active participation in the democratic process

GENERAL ENGLISH

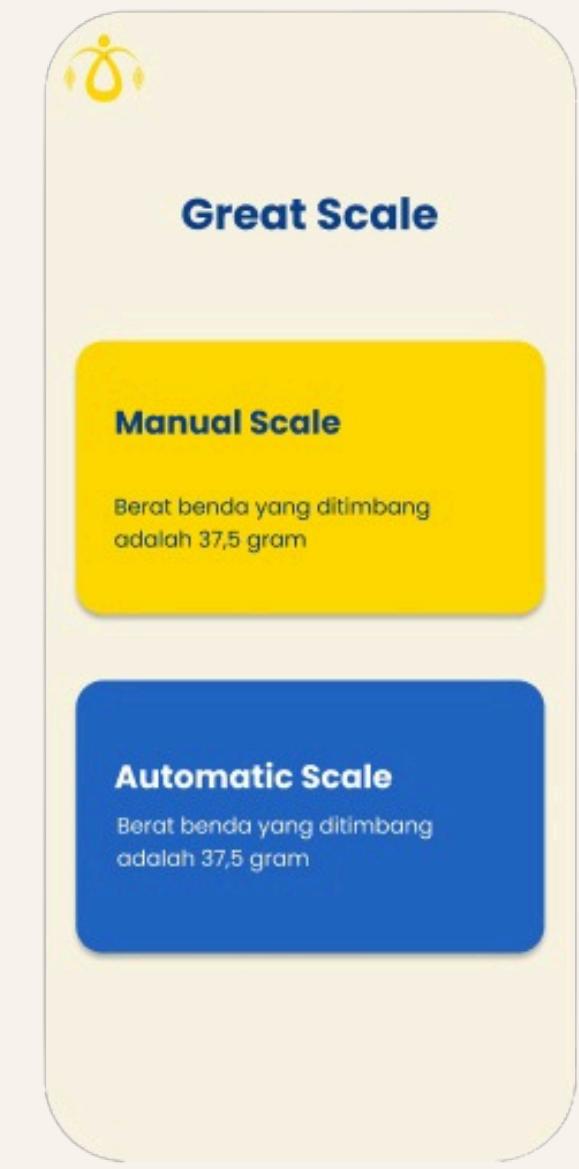
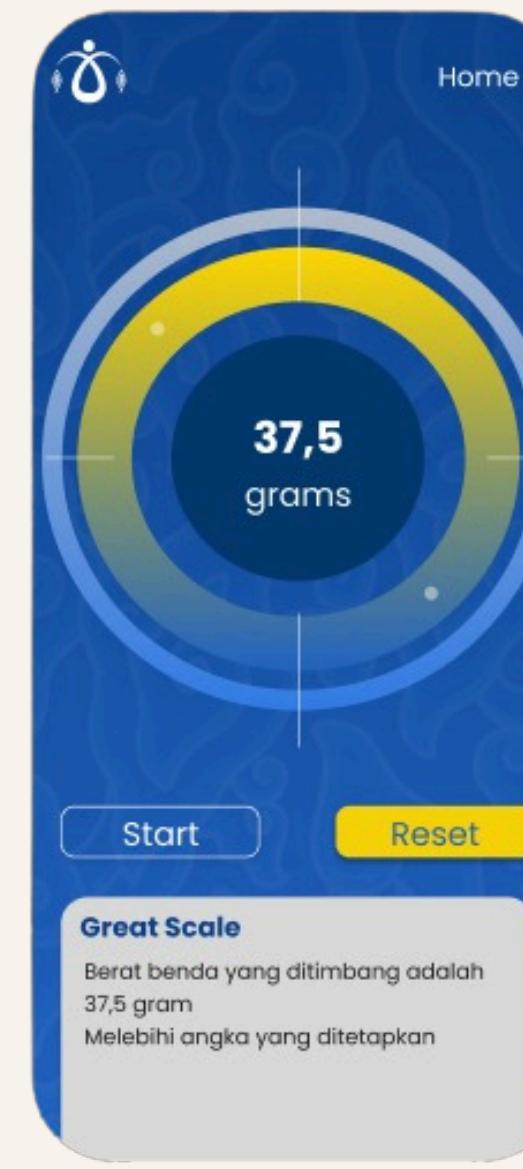
Understand technical vocabulary and special terms in English related to the project area



FIGMA DISPLAY DESIGN



week 1 -
<https://www.figma.com/file/ZKkLXwo2mUKz6Nw1l0SacZ/Mobile-Scale?type=design&node-id=0-1&mode=design&t=W0cluJQ4ekrjNU3P-0>





LOGBOOK HISTORY

week 1 - 14

<https://drive.google.com/file/d/1DZi5HfJPAwx8hyGs78j4ghVlgThMfv2P/view?usp=sharing>

The screenshot shows a mobile application interface for 'siap.pbl'. At the top, it displays the user's name, Lidya Khairani Kisan, and the date, Sat, 23 Mar 2024 21:05:49. Below this is a sidebar with navigation links: Home / Dashboard, Dashboard, Identitas, Menu Mahasiswa, and Project Based Learning. The main content area is titled 'List Logbook Tim - TRM-4A02' and shows a table with three rows of task data:

ID	Tahapan	Detail Pengeraaan
1	Planning	Melakukan pertemuan pertama bersama alat, serta mengisi RPP
2	Planning	Meakukan pertemuan antar kelompok. akan dibeli dan digunakan
3	Design	Medesign user interface, logo, warna da kewarganegaraan

This screenshot shows a detailed view of a logbook entry with four tasks listed:

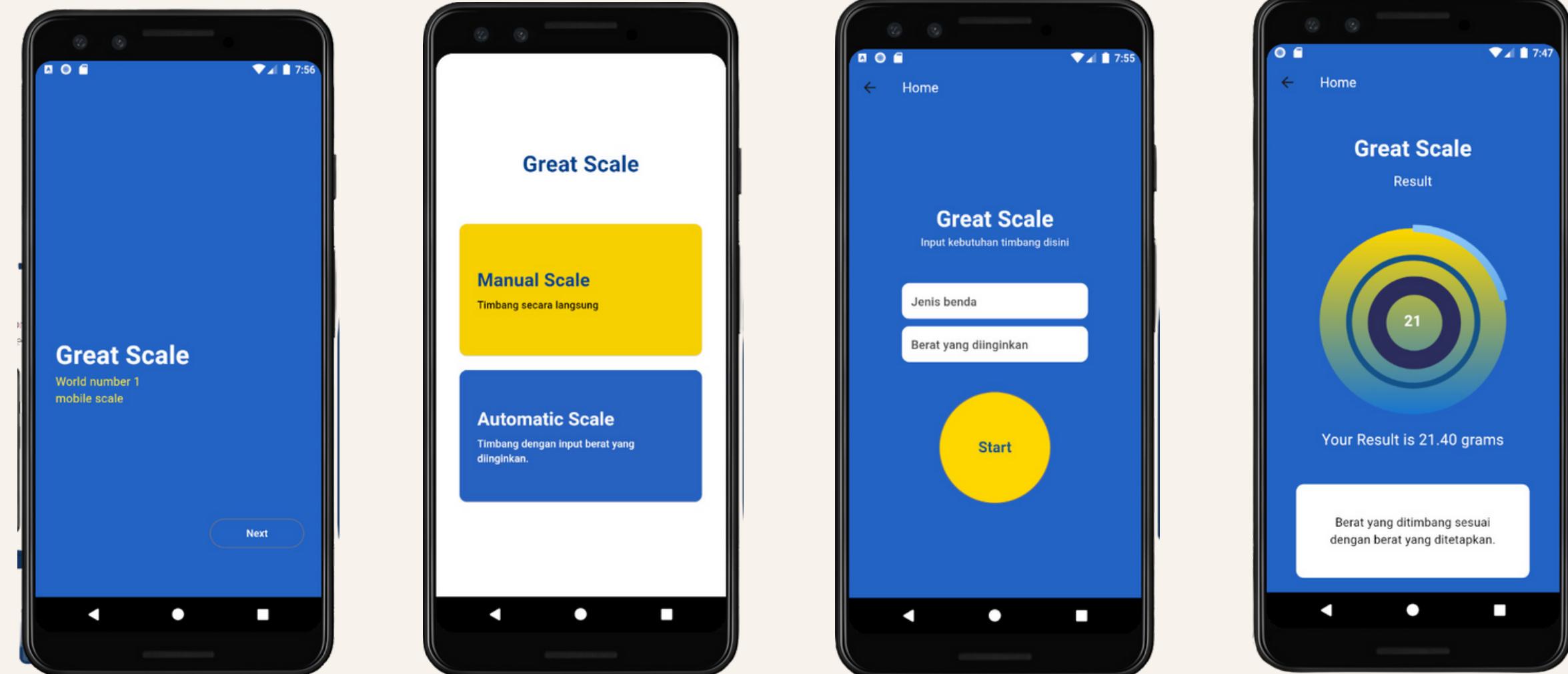
Task Description	Start Date	End Date	Progress (%)	Action Buttons
hubungkan flutter ke IoT	2024-05-28	2024-06-05	78%	[Delete] [Edit]
menghubungkan Flutter ke IoT	2024-06-10	2024-06-13	80%	[Delete] [Edit]
menghubungkan flutter ke perangkat smartphone	2024-06-14	2024-06-22	95%	[Delete] [Edit]
ungkan file aplikasi	2024-06-24	2024-06-26	100%	[Delete] [Edit]

At the bottom right of the table, there are navigation buttons: 'Previous' and '1'.



OUTPUT

The output we produced from this project is a mobile application for weighing various kinds of cooking spices to help users weigh them in detail





CONTRIBUTION OF EACH MEMBER



AZAHRA

Mobile application
programming,
determine the User
Interface design.



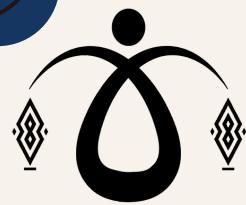
LUIZ

IOT device programming



LIDYA

Managing UX
application design
prototypes, compiling
and writing project
reports



CONTRIBUTION OF EACH MEMBER



RIFAI

IOT device connector,
IoT needs, creation of
logbook history.

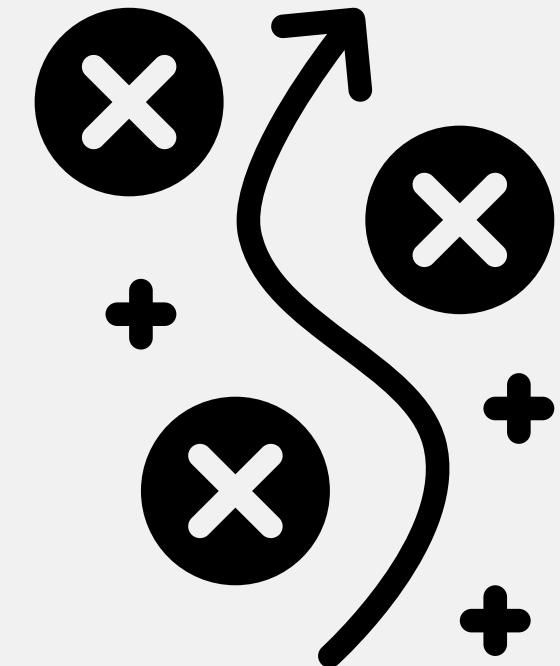


DENDRA

Creation of application
logos and case
diagrams. presentation
of data.



OBSTACLES AND SOLUTIONS



Obstacles

Our problem with this PBL was that when connecting the Arduino it didn't connect and when we asked the project manager we didn't understand either.



Solutions

solution to the Arduino problem that is not connected, we looked for information on YouTube, from the same PBL team and used reason.



DOCUMENTATION



**UI / UX Design &
Mobile Scale
Backed**



IoT sensors device



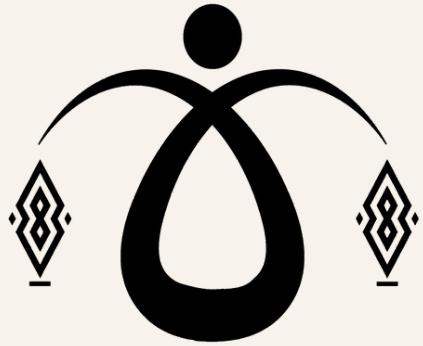
**meeting with the
project manager**



PROJECT OUTPUT



The project has been successfully created by applying the design, building the application according to the desired functions, and displaying it on an Android device.



THANK YOU

MOBILE APPLICATION SCALE

- GREAT SCALE -

TRM-4A02