Team ID: B21-CAP0431

Active Member ID and Name:

1. M0020061 - Adrian Timotheus Salim
2. A2472345 - Rezi Rahdianor
3. A2472346 - Muhammad Rizal
4. C2242179 - Ahmad Farhan Putra Kusuma
5. M0020069 - Aditya Tresnobudi
6. C2242152 - Maliki Karim

Selected Theme: Economic Resilience

Title of the Project: Business Success Rate Identifier

Executive Summary: Help entrepreneurs to create a profitable business either new or just a side hustle. Our Research Question consists of what and how many types of UKMs are around the user, as well as what are the indicators that can make a business more successful. During this pandemic, many people were badly affected, especially from an economic standpoint, even many employees had to stop working due to the company's inability to accommodate many employees, so that many of them were trying to open new businesses both primarily and to meet their economic needs. Our team wants to help especially new entrepreneurs so that they can create a profitable business and generally for anyone who wants to try to do business.

Project Scope & Deliverables:

Week 1 :

* Learning about the root cause of the problem
* Searching for more information and compatible dataset

Week 2 :

* Making Classification (the indicator) to solve the problem
* Creating API, database, and Storage
* UI and UX design for android application

Week 3 :

* Training the model
* Deploy model to rest API
* Creating the android application

Week 4 :

* Integrating with Cloud Computing and Mobile Development
* Integrating rest API for Android and Deploying application to GCP
* Testing the android application
* Making Project Summary, Presentation, and video
* Making Business Proposal

Project Schedule:

https://docs.google.com/spreadsheets/d/14TH99cvDoq0oTybTyZ70zRADVyzZq5Tt9KsCbNaXVkc/edit#gid=0

Project Resources:

Roles :

| Member | Roles |
| --- | --- |
| M0020061 - Adrian Timotheus Salim | Machine Learning |
| A2472345 - Rezi Rahdianor | Mobile Development |
| A2472346 - Muhammad Rizal | Mobile Development |
| C2242179 - Ahmad Farhan Putra Kusuma | Cloud Computing |
| M0020069 - Aditya Tresnobudi | Machine Learning |
| C2242152 - Maliki Karim | Cloud Computing |

Dataset :

[Data UMKM Tahun 2017 di Kec. Bandongan Kabupaten Magelang](https://satudata.go.id/dataset/data-umkm-tahun-2017-kabupaten-magelang)

[Kapasitas UMKM dan Koperasi Kabupaten Demak](https://satudata.go.id/dataset/kapasitas-umkm-dan-koperasi-kabupaten-demak)

[Jumlah UKM Berdasarkan Klasifikasi Usaha di Kota Bogor](http://www.opendata.bogorkab.go.id/dataset/jumlah-ukm-berdasarkan-klasifikasi-usaha)

[Jumlah Koperasi Berdasarkan Kecamatan di Kota Bogor](http://www.opendata.bogorkab.go.id/dataset/jumlah-koperasi-berdasarkan-kecamatan)

Paper / Journals / Articles :

https://core.ac.uk/download/pdf/294903152.pdf

https://search.proquest.com/openview/7df8897f33586d2d8a3a416b9560709f/1?pq-origsite=gscholar&cbl=816338

http://repository.untar.ac.id/12790/3/DOKUMEN%20B%2014.pdf

<https://www.researchgate.net/profile/Omar_Aldabbagh2/publication/341993195_Design_and_Implementation_an_Online_Location_Based_Services_Using_Google_Maps_for_Android_Mobile/links/5ee64002a6fdcc73be7b965c/Design-and-Implementation-an-Online-Location-Based-Services-Using-Google-Maps-for-Android-Mobile.pdf>

https://ieeexplore.ieee.org/abstract/document/7831613/

Risk and Issue Management Plan:

* Timeline is cut off many religious holidays

We try to always follow and commit to our project plan and always check up with each other

* Technical Problem

Our team will try to use all the resources we have from the courses we are taking and also the mentoring that we will do in the future.