Lampiran B. Log Activity

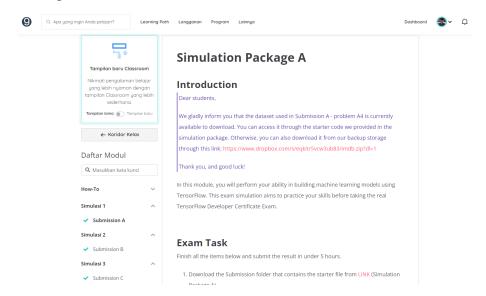
Tabel 6.1 Aktivitas Bangkit Academy 2022

Minggu/Tgl	Kegiatan	Hasil
0/7 Feb 2022	English Pre-test & Matrikulasi	Lolos
1/14 Feb 2022	Dicoding Python Course	Lolos
2/21 Feb 2022	IT Automation with Python (Course 1 & 2)	Lolos
3/28 Feb 2022	ILT soft skills 1 & IT Automation with	Lolos
	Python (Course 3 & 4)	
4/07 Mar 2022	Assignment SS 1 & English - 1 & IT	Lolos
	Automation with Python (Course 5 & 6)	
5/14 Mar 2022	ILT soft skills 2 & Mathematics for Machine	Lolos
	Learning (Course 1 & 2)	
6/21 Mar 2022	Assignment SS 2 & Mathematics for	Lolos
	Machine Learning (Course 3)	
7/28 Mar 2022	ILT soft skills 3 & TF Developer	Lolos
	Professional Certificate (Course 1 & 2)	
8/04 Apr 2022	Assignment SS 3 & English - 2 & TF	Lolos
	Developer Professional Certificate (Course 3	
	& 4)	
9/11 Apr 2022	ILT soft skills 4 & Structuring Machine	Lolos
	Learning Project & TF Data and Deployment	
	(Browser-based Model)	
10/18 Apr 2022	Assignment SS 4 & TF Data and	Lolos
	Deployment (Device-based Model)	
11/25 Apr 2022	ILT soft skills 5 & Assignment SS 5 & TF	Lolos
	Data and Deployment (Data Pipelines &	
	Advanced Deployment Scenarios)	
12/09 May 2022	CAPSTONE PROJECT (Capfits – Capture	Lolos
	Your Outfits)	

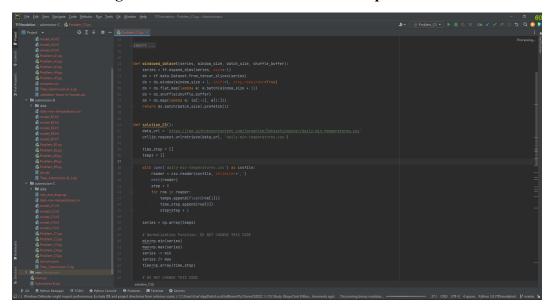
13/16 May 2022	English-3 & CAPSTONE PROJECT (Capfits	Lolos
	Capture Your Outfits)	
14/23 May 2022	CAPSTONE PROJECT (Capfits – Capture	Lolos
	Your Outfits)	
15/30 May 2022	CAPSTONE PROJECT (Capfits – Capture	Lolos
	Your Outfits)	
16/06 Jun 2022	CAPSTONE PROJECT (Capfits – Capture	Lolos
	Your Outfits)	
17/13 Jun 2022	CAPSTONE PROJECT (Capfits – Capture	Lolos
	Your Outfits)	
18/20 Jun 2022	ILT soft skills 6 & English Post-test &	Lolos
	TensorFlow Certification Preparation	
	(Dicoding Platform Simulation)	
19/27 Jun 2022	Laporan Akhir MSIB Bangkit Academy	Lolos
	2022 Machine Learning Path	
20/04 Jul 2022	ILT soft skills 7 & Expert Classes	Mendatang
21/11 Jul 2022	End of Learning, Certification Offering,	Mendatang
	Merchandise	
22/18 Jul 2022	Transcript & Administration	Mendatang
END/25 Jul 2022	Clarification, Legal & Letters, Closing	Mendatang

Lampiran C. Dokumen Teknik

1. Dicoding Submission

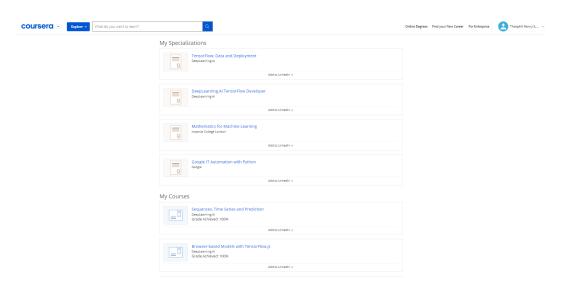


Gambar 5.1 Tugas Simulasi untuk Tensorflow Developer Certification



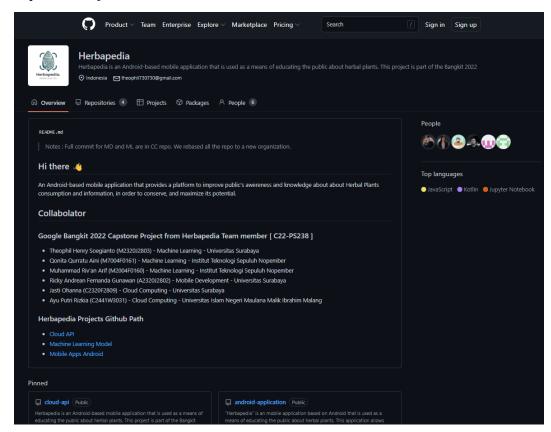
Gambar 5.2 Hasil *Code* Tugas Simulasi Tensorflow Developer Certification

2. Coursera Certificates



Gambar 5.3 Hasil Sertifikat di Coursera

3. Capstone Project GitHub



Gambar 5.4 Hasil Repository Capstone Herbapedia

4. Capstone Project Architecture

```
base_model.trainable = False
return base_model
              base_model = CreateBaseModel(INPUT_SHAPE)
 In [9]: # Functional API for Keras Model Building
             def CreateFinalModel(base_model, input_shape, num_of_plants):
   inputs = keras.Input(shape=input_shape)
                # Base Model Instantiation
x = base_model(inputs, training=False)
               # Custom DNW ModeL

x = keras.layers.GlobalAveragePooling2D()(x)

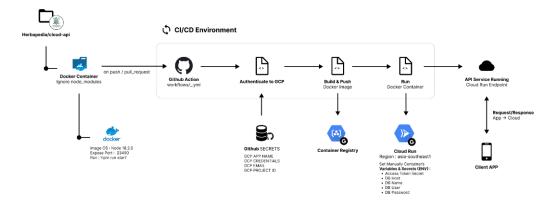
x = keras.layers.Dense(640, activation='relu')(x)

x = keras.layers.Dense(320, activation='relu')(x)

x = keras.layers.Dense(320, activation='relu')(x)

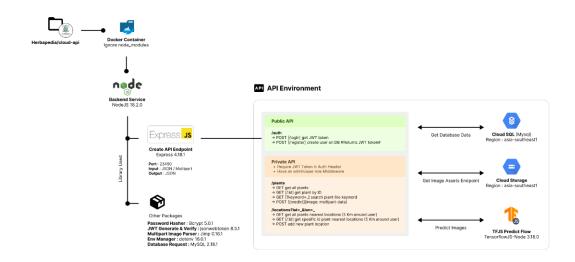
x = keras.layers.Dropout(0.2)(x)
                outputs = keras.layers.Dense(num\_of\_plants, activation='softmax')(x) \\
                final_model = keras.Model(inputs, outputs)
return final_model
              \label{final_model} \mbox{final_model} = \mbox{CreateFinalModel(base_model, INPUT_SHAPE, NUM_OF_PLANTS)} \\ \mbox{final_model.summary()}
             efficientnetv2-s (Functiona (None, 12, 12, 1280) 20331360
             global_average_pooling2d (G (None, 1280)
lobalAveragePooling2D)
              dense (Dense)
                                                  (None, 640)
                                                                                     819840
             dropout (Dropout)
                                                 (None, 640)
                                              (None, 320)
             dense_1 (Dense)
                                                                                    205120
                                             (None, 320)
             dropout_1 (Dropout)
              dense_2 (Dense)
                                                 (None, 18)
            Total params: 21,362,098 Trainable params: 10,309,738 Non-trainable params: 20,331,360
In [10]: LR = 1e-4
             final_model.compile(optimizer = keras.optimizers.Adam(learning_rate=LR),
```

Gambar 5.5 Model Pengenalan Tanaman Herbapedia



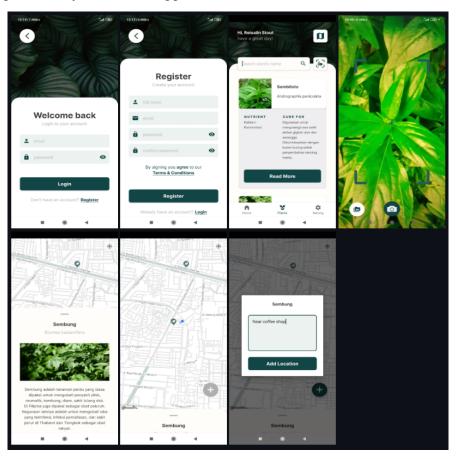
Gambar 5.6 Model CI/CD Cloud Herbapedia

C-3



Gambar 5.7 Model API Cloud Herbapedia

5. Capstone Project Android Application



Gambar 5.8 Hasil Aplikasi Android Capstone Project