

## LAMPIRAN 1

### CONTOH HASIL SCRAPING DATA TWITTER

created_at	timestamp	screen_name	text
2022-05-24	08:00:00	bilansnafszha	Alhamdulillah sekolah anak sudah mulai diberlakukannya PTM alias pembelajaran tatap muka. #KomunitasMerdekaBelajar #BergerakBerdayaBersama <a href="https://t.co/mLpnrEUyOP">https://t.co/mLpnrEUyOP</a>
2022-05-24	15:50:58	amandonut	SORRY YA kelas selsai jam 11 FOR 2 YEARSSS (di sekolah gue) dari biasanya pulang jam 3, berkurang 4 jam. and when yall were sleeping gue ttp selsai sekolah tuh jam 3 ANDD LBH OPTIMAL krn bisa belajar sendiri, sunyi, fokus dibandingin offline school berisik, rame, gabisa fokus <U+0001F62E><U+200D><U+0001F4A8>
2022-05-28	08:45:59	sigit_prmna	Puan bersyukur Indonesia mulai memasuki fase endemi Covid-19. Dengan kondisi ini, anak-anak disebut bisa kembali melakukan pelajaran tatap muka (PTM) di sekolah dengan tenang. <a href="https://t.co/7y13CbD6eS">https://t.co/7y13CbD6eS</a> #FestivalKopiTanahAir Puan Peduli Petani
2022-05-29	11:37:59	nctzenmantul	besok hari pertama ikut kuliah offline....
2022-05-25	01:30:44	Triafunny	Balik dinas, disuruh belajar. Sempet agak shock kalo disuruh dateng offline. Seneng sih, tp kalo beneran jodoh, terbitlah julid <U+0001F923> yaudaa bismillah aja deh
2022-05-28	00:18:35	lapasklaten	41.KAKANWIL A YUSPAHRUDDIN KEMENKUMHAM JATENG: Hadapi PTM Rupbasan Purbalingga Berikan Bantuan Alat Pelindung Diri <a href="https://t.co/bkrURgNtEv">https://t.co/bkrURgNtEv</a>
2022-05-22	23:45:35	apobealzer	anjinkk mles bgn pagi lgi, knp kampus skrg hrus ptm<U+0001F624><U+0001F643>
2022-05-29	07:58:11	gacor_ali	Puan bersyukur Indonesia mulai memasuki fase endemi Covid-19. Dengan kondisi ini, anak-anak disebut bisa kembali melakukan pelajaran tatap muka (PTM) di sekolah dengan tenang. <a href="https://t.co/HEMXy3mxex">https://t.co/HEMXy3mxex</a> Puan Peduli Wong Cilik
2022-05-24	08:00:03	Ambisiqu	Kabar gembira nih Setelah 2 tahun penantian akhirnya PTM bisa diberlakukan lagi, Semoga dengan adanya program Merdeka Belajar bisa bermanfaat bagi para pelajar #KomunitasMerdekaBelajar #BergerakBerdayaBersama <a href="https://t.co/7LYiQ11xbY">https://t.co/7LYiQ11xbY</a>

*Lampiran 1 Contoh Scraping Data Twitter*

## LAMPIRAN 2

### CONTOH HASIL LABELLING

Unnamed: 0	text	text_en	Polarity	Subjectivity	Sentiment Blob
0	alhamdulillah sekolah anak diberlakukannya ptm alias pembelajaran tatap muka komunitasmerdekabelajar bergerakberdayabersama	Alhamdulillah, the children's school is applied by PTM, aka the face -to - face learning of the community.	0	0	Neutral
1	sorry ya kelas selsai jam for yearss sekolah pulang jam berkurang jam and when yall were sleeping selsai sekolah tuh jam andd optimal belajar sunyi fokus dibandingin offline school berisik rame fokus ufeudufa	Sorry, Classi Class Jam For Yearsss School home, the hours are reduced and when yall were sleeping seleeping schools and optimal learning to be quiet focus compared to offline school noisy.	-0,25	0,666666667	Negative
2	puan bersyukur indonesia memasuki fase endemi covid kondisi anakanak pelajaran tatap muka ptm sekolah tenang festivalkopitanahair puan peduli petani	Puan grateful that Indonesia entered the Pandemi Covid phase, the condition of the children's face -to -face children's lessons	0	0	Neutral
3	besok kuliah offline	Tomorrow is offline college	0	0	Neutral
4	dinas disuruh belajar shock kalo disuruh offline senang sih kalo benaran jodoh terbitlah julid uf yaudaa bismillah deh	Service is told to learn shock if told to offline is happy if the real match is rising julid uf yaudaa bismillah	0,5	0,65	Positive
5	kakanwil yuspahrudin kemenkumham jateng hadapi ptm rupbasan purbalingga bantuan alat pelindung	Kakanwil Yuspahrudin Kemenkumham Central Java face PTM Rupbasan Purbalingga assistance	0	0,25	Neutral

*Lampiran 2 Contoh Hasil Labelling*

## LAMPIRAN 3

### CONTOH KAMUS KATA SLANG

slang	formal
woww	wow
aminn	amin
met	selamat
netaas	menetas
keberpa	keberapa
eeeehhhh	eh
kata2nyaaa	kata-katanya
hallo	halo
kaka	kakak
ka	kak
daah	dah
aaaaahhhh	ah
yaa	ya
smga	semoga
slalu	selalu
amiin	amin
kk	kakak
trus	terus
kk	kakak
sii	sih
nyenengin	menyenangkan
bgt	banget
gemess	gemas
akuuu	aku
jgn	jangan
yaa	ya
udah	sudah
gitu	begitu
aja	saja
gemesiin	menggemaskan
menyenangkn	menyenangkan
rb	ribu
akau	aku

Slang	formal
lg	lagi
skarang	sekarang
yg	yang
sempet	sempat
karna	karena
ngga	enggak
karna	karena
mantep	mantap
loohhh	loh
yeee	ya
baguuuuus	bagus
sampe	sampai
ngikutin	mengikuti
gayany	gayanya
ngikutin	mengikuti
lg	lagi
bnk	bang
awaas	awas
siip	sip
abizzzz	habis
kerrrrrennnn	keren
sayaa	saya
pengen	pengin
kpan	kapan
bgt	banget
sma	sama
sdkit	sedikit
bngt	banget
lgu	lagu
bener2	benar-benar
kharismanya	karismanya
aq	aku
yg	yang

Lampiran 3 Contoh Kamus Kata Slang

## LAMPIRAN 4

# CODE PEMBUATAN MODEL MACHINE LEARNING KLASIFIKASI

```
7/23/22, 8:47 PM SEKRIPSI CENAH  
In [47]: blob_df = blob_sentimen[['text', 'text_en', 'Sentiment Blob']].copy()  
  
X_blob = blob_df['text_en']  
y_blob = blob_df['Sentiment Blob']  
  
X_train_blob, X_test_blob, y_train_blob, y_test_blob = train_test_split(X_blob, y_blob,  
                                                                           test_size=0.1,  
                                                                           random_state=21)  
  
cv = ShuffleSplit(n_splits = 10, test_size = 0.1, random_state = 21)  
  
In [53]: parameters = { 'n_neighbors' : list(range(50)) }  
knn = KNeighborsClassifier()  
countV = CountVectorizer()  
X_train_blob1 = countV.fit_transform(X_train_blob)  
X_test_blob1 = countV.transform(X_test_blob)  
score = ['accuracy', 'f1_macro']  
  
In [54]: foldaccuracy = cross_val_score(knn, X_train_blob1, y_train_blob, cv = cv)  
foldaccuracy  
Out[54]: array([0.7173913 , 0.63586957, 0.64130435, 0.67119565, 0.67119565,  
                0.67119565, 0.69836957, 0.67119565, 0.65217391, 0.66032609])  
  
In [56]: # rata-rata akurasi pada setiap fold (masih gabisa keluarin confusion matrix jadi  
np.mean(foldaccuracy)  
Out[56]: 0.6690217391304347  
  
In [57]: knn_model_blob1 = GridSearchCV(knn, parameters, cv = cv,  
                                       scoring = score, refit = 'accuracy', verbose = 2)  
knn_model_blob1.fit(X_train_blob1, y_train_blob)  
  
Fitting 10 folds for each of 50 candidates, totalling 500 fits  
[CV] END .....n_neighbors=0; total time= 0.0s  
[CV] END .....n_neighbors=0; total time= 0.0s  
[CV] END .....n_neighbors=0; total time= 0.0s
```

Lampiran 4 Code Pembuatan Model

```
C:\Users\sheri\AppData\Local\Programs\Python\Python310\lib\site-packages\sklearn\model_selection\_search.py:953: UserWarning:
```

```
One or more of the test scores are non-finite: [      nan  0.71847826  0.6886957
 0.68994565  0.66766384  0.66982174
 0.65733696  0.65298913  0.64781887  0.64375    0.63948217  0.63641384
 0.63878652  0.62744565  0.62581522  0.6236413    0.62255435  0.62065217
 0.62038043  0.61847826  0.61828652  0.61657689  0.61603261  0.61548913
 0.61494565  0.61467391  0.61467391  0.6138587    0.6138587    0.61331522
 0.61331522  0.61304348  0.61331522  0.61195652  0.61141304  0.6111413
 0.61141304  0.61032609  0.61005435  0.61032609  0.61005435  0.61032609
 0.61032609  0.61005435  0.61005435  0.60978261  0.60869565  0.60923913
 0.60842391  0.60842391]
```

```
C:\Users\sheri\AppData\Local\Programs\Python\Python310\lib\site-packages\sklearn\model_selection\_search.py:953: UserWarning:
```

```
One or more of the test scores are non-finite: [      nan  0.57234183  0.51495626
 0.50937331  0.46694892  0.43976822
 0.43566829  0.41866724  0.4068472    0.3926473    0.38206827  0.37071854
 0.3542588    0.34183034  0.33826454  0.32992266  0.32670381  0.31768555
 0.31725752  0.31019802  0.30952516  0.30274548  0.30015972  0.29804037
 0.29595735  0.294747    0.29488455  0.29176298  0.29118616  0.28866606
 0.28866606  0.28864348  0.2893201    0.28423339  0.28215461  0.28100465
 0.2822739    0.2789996    0.27758621  0.27822191  0.27747228  0.27838798
 0.27818798  0.27688774  0.27685787  0.27612781  0.27247976  0.27406115
 0.27129412  0.27134485]
```

```
Out[47]:
*      GridSearchCV
* estimator: KNeighborsClassifier
  * KNeighborsClassifier
```

```
In [48]: print("nilai k dengan best akurasi skor :")
knn_model_blob1.best_params_, knn_model_blob1.best_score_, knn_model_blob1.best_i
```

```
Out[48]:
nilai k dengan best akurasi skor :
({'n_neighbors': 1}, 0.7184782608695652, 1)
```

```
In [49]: avg_mean_scores_blob1 = Series(knn_model_blob1.cv_results_['mean_test_accuracy'],
cv_range_blob1 = Series(list(range(50)), name = 'k')
knn_validation_scores_blob1 = pd.concat([cv_range_blob1, avg_mean_scores_blob1], axis=1)
knn_validation_scores_blob1.head()
```

```
Out[49]:
```

k	accuracy_scores
0	NaN
1	0.718478
2	0.685870
3	0.689946
4	0.667663

```
In [61]: # nilai k optimalnya k = 1
# buat model ANN-nya
```

### Lampiran 5 Code Pembuatan Model

7/23/22, 8:47 PM

SEKRIPSI CENAH

```
knn_blob1 = KNeighborsClassifier(n_neighbors = 1)
knn_blob1.fit(X_train_blob1, y_train_blob)
knn_score_blob1 = knn_blob1.score(X_test_blob1, y_test_blob)

print("Akurasi Model KNN Classifier (TextBlob) with CountVectorizer")
print(knn_score_blob1)
y_pred_knn_blob1 = knn_blob1.predict(X_test_blob1)

#Confusion matrix
cm_knn_blob1 = confusion_matrix(y_test_blob, y_pred_knn_blob1)

Akurasi Model KNN Classifier (TextBlob) with CountVectorizer
0.7141304347826087
```

In [62]: cm\_knn\_blob1

```
Out[62]: array([[ 57,  93,   9],
        [   5, 497,   5],
        [   8, 143, 103]], dtype=int64)
```

In [63]: ax\_blob1 = sns.heatmap(cm\_knn\_blob1, annot = True, fmt = "d", cmap = "BuPu")



In [ ]:

*Lampiran 6 Code Pembuatan Model*

## LAMPIRAN 5

### RIWAYAT HIDUP

#### Curriculum Vitae



#### DATA PRIBADI

Nama : Sherin Novianti  
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#### PENDIDIKAN FORMAL

SD : SDN Karet Kuningan 01 PG tahun lulus 2012  
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Demikian riwayat hidup ini saya buat dengan sebenar benarnya, Terima kasih.

Jakarta, 10 Maret 2022

Sherin Novianti  
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*Lampiran 7 Riwayat Hidup*