LAPORAN KLASIFIKASI DATA MENGGUNAKAN BAHASA R

DATASET = ( Data Online Shopper)

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NIM : 16.01.53.0107

* Proses Script & Hasil Klasifikasi

> dataset = read.csv('online\_shoppers\_intention.csv')

> dataset = dataset[5:18]

> # Encoding the target feature as factor

> View(dataset)

> # Encoding the target feature as factor

> dataset$ProductRelated = factor(dataset$ProductRelated, levels = c(2, 1))

> # Splitting the dataset into the Training set and Test set

> # install.packages('caTools')

> library(caTools)

> set.seed(123)

> split = sample.split(dataset$ProductRelated, SplitRatio = 0.75)

> training\_set = subset(dataset, split == TRUE)

> test\_set = subset(dataset, split == FALSE)

> # Feature Scaling

> training\_set[-1] = scale(training\_set[-1])

> test\_set[-1] = scale(test\_set[-1])

# Fitting Naive Bayes to the Training set

> library(e1071)

classifier = naiveBayes(x = training\_set[-3],

+ y = training\_set$ProductRelated)

> # Predicting the Test set results

* Hasil Klasifikasi 1

> y\_pred = predict(classifier, newdata = test\_set[-3])

> y\_pred

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[976] 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

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Levels: 2 1

* Hasil Klasifikasi

> # Making the Confusion Matrix

> cm = table(test\_set[, 3], y\_pred)

> cm

y\_pred

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0 5056 170

2.73e-05 1 0

3.35e-05 1 0

3.83e-05 1 0

3.94e-05 1 0

7.09e-05 1 0

7.27e-05 0 1

7.5e-05 1 0

8.01e-05 1 0

8.08e-05 1 0

8.14e-05 1 0

9.83e-05 1 0

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0.00015674 1 0

0.000169693 1 0

0.000170068 1 0

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0.000628931 1 0

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0.000655738 1 0

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0.000687831 1 0

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