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Kelas : A

TUGAS TEKNIK SAMPLING PERTEMUAN 2 RANDOM NUMBER GENERATOR

Gunakan Multiplicative

```
Gunakan Bernouli_1
```

```
Z0 = 11123 m = 138 n = 100
```

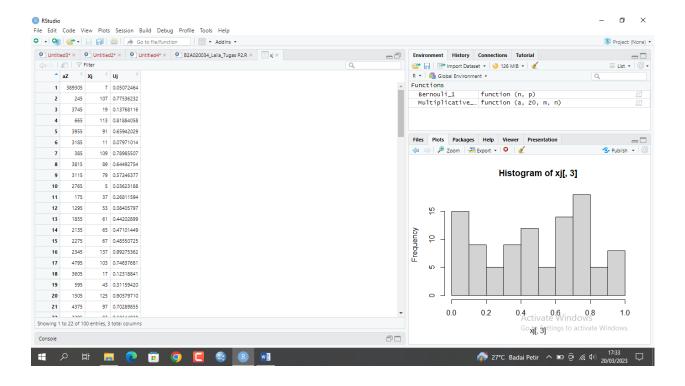
p = 0.65

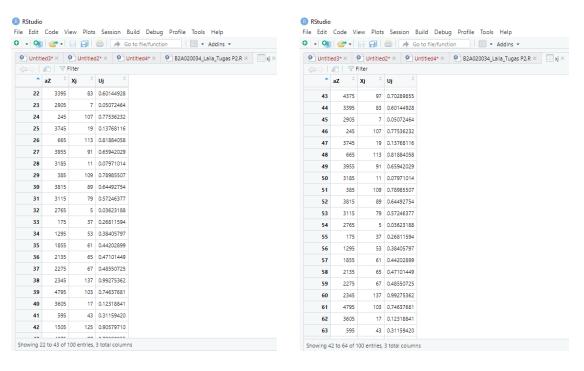
Syntax Multiplicative

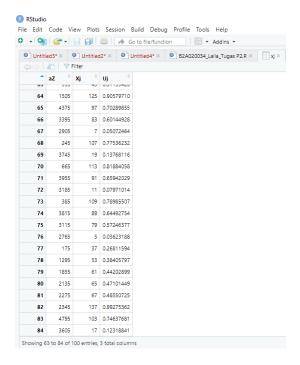
```
\label{eq:multiplicative_RNG<-function(a,Z0,m,n)} $$ xj<-matrix(NA,n,3)$ $$ colnames(xj)<-c("aZ","Xj","Uj")$ for (j in 1:n)$ $$ \{$ xj[j,1]<-(a*Z0)$ $$ xj[j,2]<-xj[j,1]%%m$ $$ xj[j,3]<-xj[j,2]/m$ $$ Z0<-xj[j,2]$ $$ hist(xj[,3])$ $$ View(xj)$ $$ $$ $$
```

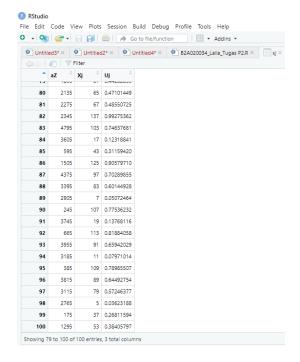
Console

```
> Multiplicative_RNG(35,11123,138,100)
```









Syntax Bernouli_1

```
Bernouli\_1 <-function(n,p) \{ \\ i <-n \\ p <-p \\ X <-runif(i) \\ Y <-NULL \\ for (z in 1:i) ifelse (X[z] <=p,Y[z] <-1,Y[z] <-0) \\ (tabel <-table(Y)/length(Y)) \}
```

Console

Nilai n menggunakan nilai xi pada tabel

