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Kelas: A

Tugas Teknik Simulasi

➢ **Syntak Multiplicative**

```
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)

}

multiplicative_RNG(35,11123, 138,100)
```
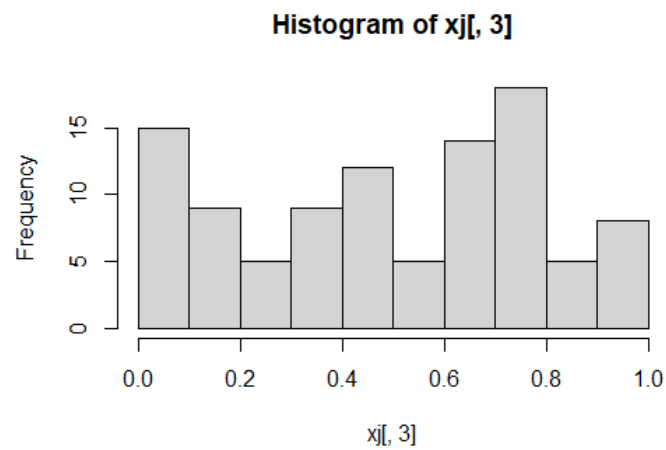
➢ **Console Multiplicative**

➢ **Plot**

Histogram of xj[, 3]

Bernouli

➢ **Syntak Bernouli**

```
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))

}

#Angka 5=5

Bernouli_1(5, 0.65)

#Angka 7=5

Bernouli_1(7, 0.65)

#Angka 11=5

Bernouli_1(11, 0.65)

#Angka 17=4

Bernouli_1(17, 0.65)
```

#Angka 37=5

Bernouli_1(37, 0.65)

#Angka 43=4

Bernouli_1(43, 0.65)

#Angka 53=5

Bernouli_1(53, 0.65)

#Angka 61=4

Bernouli_1(61, 0.65)

#Angka 65=4

Bernouli_1(65, 0.65)

#Angka 67=4

Bernouli_1(67, 0.65)

#Angka 79=5

Bernouli_1(79, 0.65)

#Angka 83=4

Bernouli_1(83, 0.65)

#Angka 89=5

Bernouli_1(89, 0.65)

#Angka 91=5

Bernouli_1(91, 0.65)

#Angka 97=5

Bernouli_1(97, 0.65)

#Angka 103=4

Bernouli_1(103, 0.65)

#Angka 107=5

Bernouli_1(107, 0.65)

#Angka 109=5

Bernouli_1(109, 0.65)

#Angka 113=5

Bernouli_1(113, 0.65)

#Angka 125=4

Bernouli_1(125, 0.65)

#Angka 137=4

Bernouli_1(137, 0.65)

> ➢ **Console Bernouli**