Lampiran 2. Coding untuk Grafik Distribusi Gamma dengan 3 Parameter γ yang Berbeda, yaitu $\gamma_{11} = 1$, $\gamma_{12} = 3$, $\gamma_{13} = 5$ dan $m_1 = 2$

```
m <- 100
n <- 100
gam1 <- 1
gam2 <- 3
gam3 <- 5
m1<-2
x<- array(0,c(n,1))
for (i in 1:n)
{
x[i] <- i/10
}
F1<-array(0,c(n,1))
F2<-array(0,c(n,1))
F3<-array(0,c(n,1))

for (i in 1:n)
{
F1[i]<- (1/(gam1^(m1))*gamma(m1))*(exp(-(x[i]/gam1)))*(x[i]^(m1-1))
F2[i]<- (1/(gam2^(m1))*gamma(m1))*(exp(-(x[i]/gam2)))*(x[i]^(m1-1))
F3[i]<- (1/(gam3^(m1))*gamma(m1))*(exp(-(x[i]/gam3)))*(x[i]^(m1-1))

}

plot(x,F1,type="l",xlim=range(0,10),ylim=range(0,1),xlab="x",ylab="fungsi gamma",
col="green",lty=1)
lines(x, F2,col="red", lty=2)
lines(x, F3, col="blue", lty=3)
legend(7.5, 1, c("gam1 = 1", "gam2 = 3", "gam3 = 5"), col = c("green", "red", "blue"),
      text.col = "black", lty = c(1,2,3),
      merge = TRUE, bg = "white")
```