

Lampiran 4. Coding untuk Grafik distribusi *Generalized Gamma* pada 3 Parameter γ yang Berbeda, yaitu $\alpha = 1, \gamma_1 = 1, \gamma_2 = 3, \gamma_3 = 5$ dan $m_1 = 2$

```
m <- 100
n <- 100
a <- 1
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]<- (a/(x[i]*gamma(m1)))*((x[i]/gam1)^(a*m1))*(exp(-(x[i]/gam1)^a))
F2[i]<- (a/(x[i]*gamma(m1)))*((x[i]/gam2)^(a*m1))*(exp(-(x[i]/gam2)^a))
F3[i]<- (a/(x[i]*gamma(m1)))*((x[i]/gam3)^(a*m1))*(exp(-(x[i]/gam3)^a))
}

plot(x,F1,type="l",xlim=range(0,10),ylim=range(0,1),xlab="x",ylab="fungsi GG",
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")
```