

Lampiran 3. Coding untuk Grafik distribusi *Generalized Gamma* pada 3 Parameter $a > 1$ yang Berbeda, yaitu $a_1 = 1.5$, $a_2 = 2$, $a_3 = 2.5$, $\gamma = 2$, dan $m_1 = 3$

```
m <- 100
n <- 100
a1 <- 1.5
a2 <- 2
a3 <- 2.5
gam <- 2
m1 <- 3
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]<- (a1/(x[i]*gamma(m1)))*((x[i]/gam)^(a1*m1))*(exp(-(x[i]/gam)^a1))
F2[i]<- (a2/(x[i]*gamma(m1)))*((x[i]/gam)^(a2*m1))*(exp(-(x[i]/gam)^a2))
F3[i]<- (a3/(x[i]*gamma(m1)))*((x[i]/gam)^(a3*m1))*(exp(-(x[i]/gam)^a3))
}

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(7.7, 1, c("a1 = 1.5", "a2 = 2", "a3 = 2.5"), col = c("green", "red", "blue"),
text.col = "black", lty = c(1,2,3),
merge = TRUE, bg = "white")
```