LAMPIRAN

a. Distribusi Diskrit

No	Nama	Fungsi Peluang	*Mean*	Variansi	*Mgf* M(t)
1	Bernouli	$f(x) = p^x(1-p)^{1-x}$ $x = 0, 1$	p	$p(1-p)$	$(1-p) + pe^t$
2	Binomial	$f(x) = \binom{n}{x} p^x(1-p)^{n-x}$ x = 0,1, 2,...,n $0 \leq p \leq 1$	np	$np(1-p)$	$\left((1-p)+pe^t\right)^n$
3	Poisson	$f(x) = \frac{e^{-\lambda}\lambda^x}{x!}$ $x = 0, 1,...$ $0 \leq \lambda \leq \infty$	λ	λ	$e^{\lambda(e^t-1)}$

b. Distribusi Kontinu

No	Nama	Fungsi Peluang	*Mean*	Variansi	*Mgf* M(t)
1	Normal	$f(x) = \frac{1}{\sqrt{2\pi}\sigma} . e^{-\frac{(X-\mu)^2}{2\sigma^2}}$	μ	σ^2	$e^{\mu t+\frac{\sigma^2 t^2}{2}}$
2	Normal Standar	$(x) = \frac{1}{\sqrt{2\pi}} . e^{-\frac{x^2}{2}}$	0	1	$e^{\frac{t^2}{2}}$
3	Eksponensial	$f(x) = \frac{1}{\theta} e^{-\frac{x}{\theta}}$ $0 \leq x < \infty$ $\theta > 0$	θ	θ^2	$\frac{1}{1-\theta t}$ $t < \frac{1}{\theta}$
4	Gamma	$f(x) = \frac{1}{\Gamma(\alpha)\beta^\alpha} x^{\alpha-1} e^{-\frac{x}{\beta}}$ $0 \leq x < \infty$ $\alpha, \beta > 0$	$\alpha\beta$	$\alpha\beta^2$	$\left(\frac{1}{1-\beta t}\right)^\alpha$ $t < \frac{1}{\beta}$