

Lab 8 Problem 2 Key

①	a.	$Y_{ij} = \mu + \gamma_i + \epsilon_{ij}$, where $\epsilon_{ij} \sim N(0, \sigma^2)$
	b.	$H_0: \mu_{\text{control}} = \mu_{\text{FRA}} = \mu_{\text{ASH}} = \mu$
	c.	$H_a: \mu_i \neq \mu$ for at least one i .
②	d.	$H_0: \chi = 0$
	e.	$H_a: \chi \neq 0$
③	f.	\bar{x}_i
	g.	s^2
④	h.	F
	i.	P

① g. $F_{0.10(3), 2, 9} = 3.01$

② k. At least one treatment mean cover is different.