Nama: Rivaldo Putra Laksana

Kelas: XI PPL 3

LK 4

1). m = 2 Kg

h = 5 m

g = 10 m/s2

Ep

= m x g x h

= 2 x 10 x 5

= 100 J

2). m = 6 Kg

g = 10 m/s2

h = 1,5 m

Ep

= m x g x h

= 6 x 10 x 1,5

= 90 J

3). Kelapa: m = 2 Kg

g = 10 m/s2

h = 8 m

Nangka:

m = 3 Kg

g = 10 m/s2 h = 4 m

Ep Kelapa

= m x g x h

= 2 x 10 x 8

= 160 J

Ep Nangka

= m x g x h

= 3 x 10 x 4

= 120 J

Perbandingan = 3:4

4). m = 40 Kg

v = 4 m/s

Ek

= ½ m x v2

= ½ 40 x 42

= 20 x 16

= 320 J

5). Ek = 40 J

v = 4 m/s

m

= Ek : ½ x v2

= 40 : ½ x 16

= 40 : 8

= 5 K