

TINDAKAN PENCUCIAN SABUN & DETERGEN

CLEANSING ACTIONS OF SOAP & DETERGENT



1.

- Ketegangan permukaan air berkurang dalam kehadiran sabun atau detergen. *Surface tension of the water reduces in the presence of soap or detergent.*
- Anion sabun atau detergen yang bebas bergerak terhasil. *Free moving soap or detergent anion is produced.*



2.

- Bahagian hidrofobik anion sabun atau detergen larut di dalam gris. *The hydrophobic part of soap or detergent anion dissolves in grease.*
- Bahagian hidrofilik anion larut di dalam air. *The hydrophilic part dissolves in water.*



4.

- Gris berpecah kepada titisan kecil membentuk emulsi disebabkan penolakan antara cas negatif ekor hidrofilik pada gris. *Grease breaks into small droplets forming an emulsion due to the repulsion of the negative charges of the hydrophilic parts on the grease.*
- Apabila kain dibilas, titisan kecil tersebut akan disingkirkan dan kain menjadi bersih. *When the cloth is rinsed, these droplets will be removed and the cloth becomes clean.*



3.

- Pergerakan air semasa gosokan dan pengocakan menanggalkan gris dari permukaan kain. *Water movement during scrubbing and agitation removes the grease from the surface of cloth.*
- Gris terampai di dalam air dikelilingi bahagian hidrofilik anion sabun atau detergen. *Grease floats in water surrounded by the hydrophilic part of soap or detergent anion.*