

# LAMPIRAN

## LAMPIRAN 1

### ASTM D610

### ASTM D610-03

**TABLE 1 Scale and Description of Rust Ratings**

Rust Grade	Percent of Surface Rusted	Visual Examples		
		Spot(s)	General (G)	Pinpoint (P)
10	Less than or equal to 0.01 percent		None	
9	Greater than 0.01 percent and up to 0.03 percent	9-S	9-G	9-P
8	Greater than 0.03 percent and up to 0.1 percent	8-S	8-G	8-P
7	Greater than 0.1 percent and up to 0.3 percent	7-S	7-G	7-P
6	Greater than 0.3 percent and up to 1.0 percent	6-S	6-G	6-P
5	Greater than 1.0 percent and up to 3.0 percent	5-S	5-G	5-P
4	Greater than 3.0 percent and up to 10.0 percent	4-S	4-G	4-P
3	Greater than 10.0 percent and up to 16.0 percent	3-S	3-G	3-P
2	Greater than 16.0 percent and up to 33.0 percent	2-S	2-G	2-P
1	Greater than 33.0 percent and up to 50.0 percent	1-S	1-G	1-P
0	Greater than 50 percent		None	

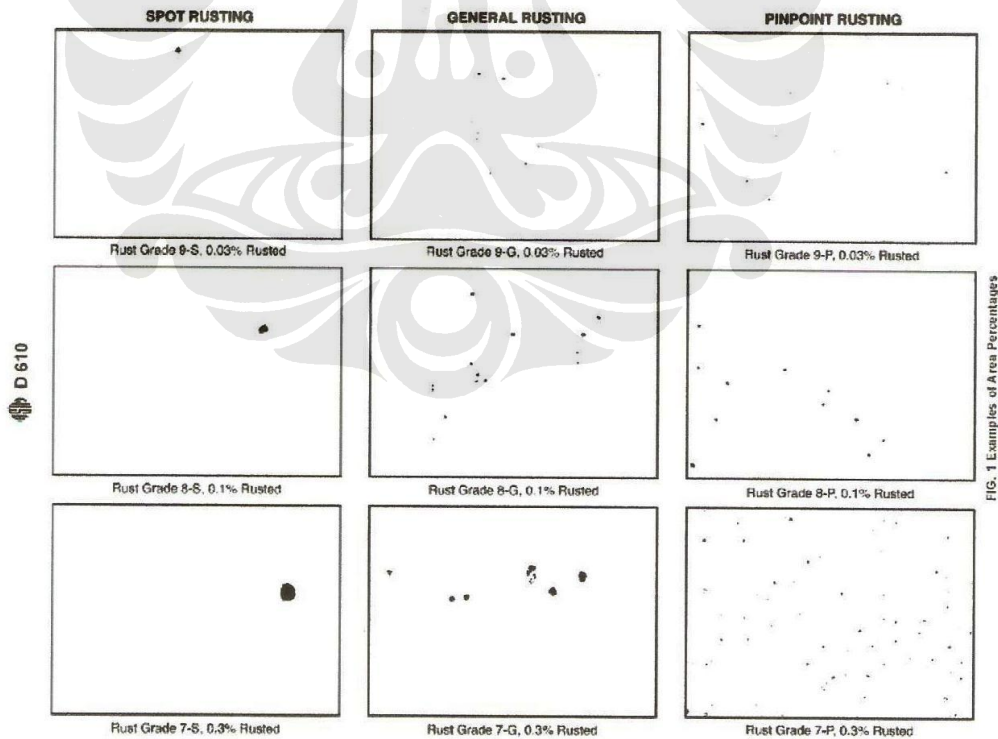
**Rust Distribution Types:**

**S:** Spot Rusting—Spot rusting occurs when the bulk of the rusting is concentrated in a few localized areas of the painted surface. The visual examples depicting this type of rusting are labeled 9-S thru 1-S (See Fig. 1, Fig. 2, and Fig. 3).

**G:** General Rusting—General rusting occurs when various size rust spots are randomly distributed across the surface. The visual examples depicting this type of rusting are labeled 9-G thru 1-G. (See Fig. 1, Fig. 2, and Fig. 3).

**P:** Pinpoint Rusting—Pinpoint rusting occurs when the rust is distributed across the surface as very small individual specks of rust. The visual examples depicting this type of rusting are labeled 9-P through 1-P. (See Fig. 1, Fig. 2, and Fig. 3).

**H:** Hybrid Rusting—An actual rusting surface may be a hybrid of the types of rust distribution depicted in the visual examples. In this case, report the total percent of rust to classify the surface. 9-H through 1-H.



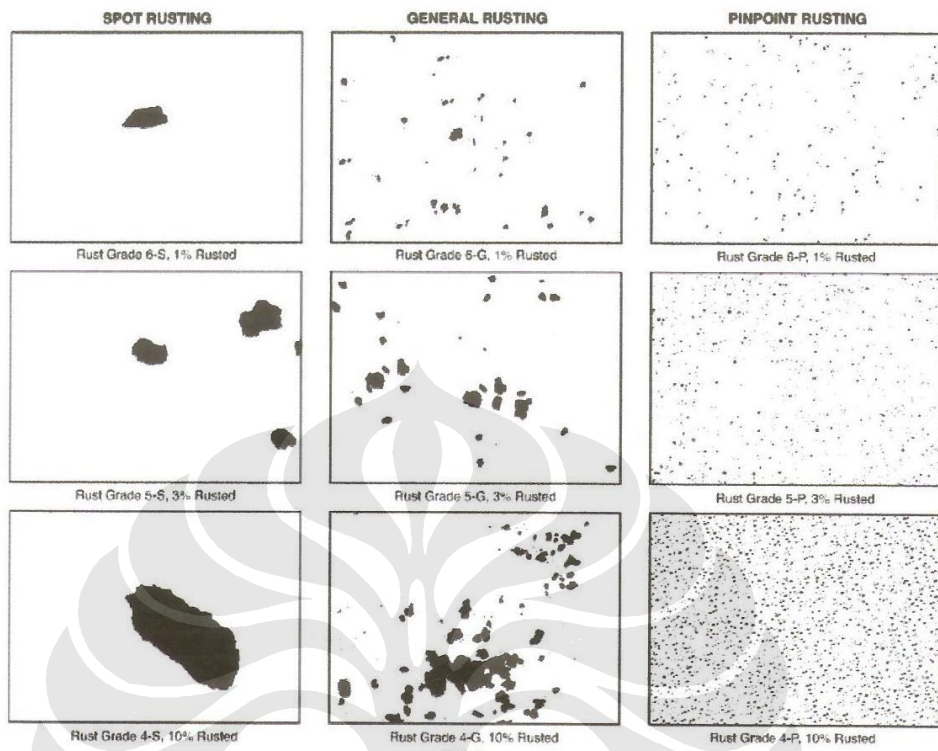


FIG. 2 Examples of Area Percentages

FIG. 2

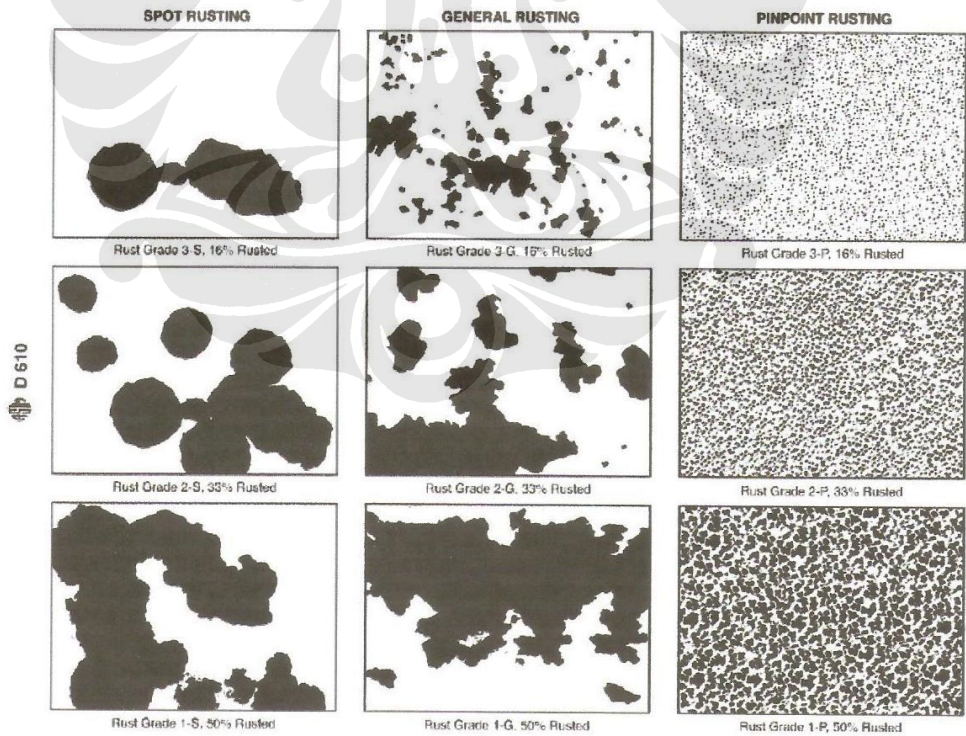


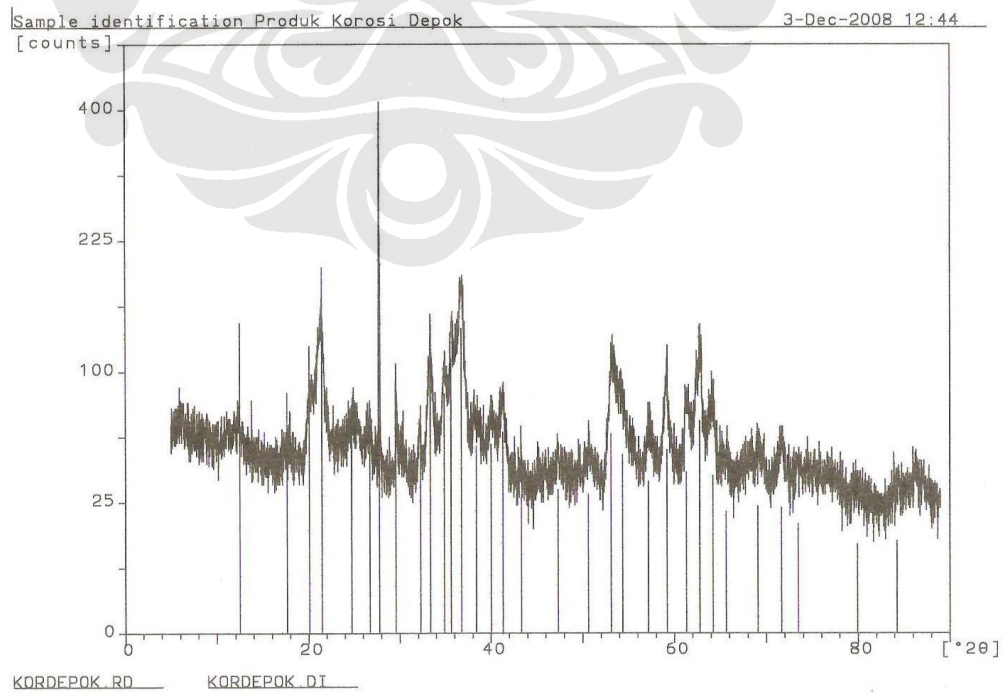
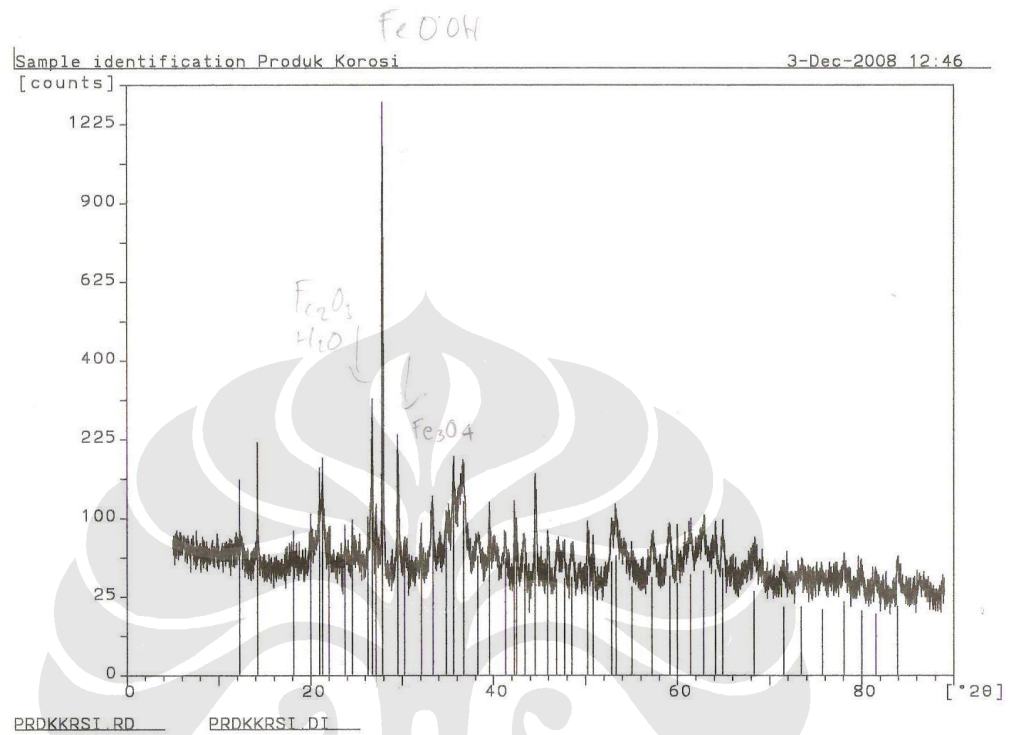
FIG. 3 Examples of Area Percentages

FIG. 3

D 610

## LAMPIRAN 2

### XRD PRODUK KOROSI BARE STEEL





### LAMPIRAN 3

#### XRD TANAH

