Supplementary Material for

A Comparative Study of Advanced Oxidation Processes for Pentachlorophenol Degradation

Nurul Alvia Istiqomah a,\*

a Department of Civil and Environmental Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia

\*Corresponding author: nurulalviaistiqomah@ugm.ac.id

|  |  |
| --- | --- |
| (a) | (b) |
|  |  |
| (c) | (d) |
|  |  |
| (e) | (f) |
|  |  |
| (g) | (h) |
|  |  |
| (i) | (j) |
|  |  |

**Figure S1**. PCP degradation at various temperatures in the systems of (a) US-$H\_{2}O\_{2}$; (b) VUV-$H\_{2}O\_{2}$; (c) UVC-$H\_{2}O\_{2}$; (d) US-VUV-$H\_{2}O\_{2}$; (e) US-UVC-$H\_{2}O\_{2}$; (f) US-$S\_{2}O\_{8}^{2-}$; (g) VUV-$S\_{2}O\_{8}^{2-}$; (h) UVC-$S\_{2}O\_{8}^{2-}$; (i) US-VUV-$S\_{2}O\_{8}^{2-}$; and (j) US-UVC-$S\_{2}O\_{8}^{2-}$ ([PCP]0 = 10 mg/L; [$H\_{2}O\_{2}$]0/[$S\_{2}O\_{8}^{2-}$]0 =  0.004 mM; US frequency = 35 kHz; US power = 70W; UV power = 10 W(each); and initial pH = 6 ±  0.2)