

Pengaruh temperatur , waktu oksidasi dan konsentrasi ZrO₂ terhadap densitas, luas permukaan dan rasio O/U hasil reduksi (U₃ O₈ + ZrO₂)

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Abstrak

Influence of oxidation temperature and time and ZrO₂ concentration on density, surface area and O/U ratio of (U₃O₈+ZrO₂) reduction product. Reduction process of uranium oxide and zirconium oxide (U₃O₈+ZrO₂) by hydrogen gas at temperature of 850 oC for 2 hours in reduction furnace has been carried out. The material was obtained from oxidation product of (UO₂ + ZrO₂) pellet became (U₃O₈+ZrO) powder at temperature of 400oC and 500oC for 0.5 - 2 hours with variation of ZrO₂ concentration from 0-0.6%....