

SUMMARY

PENGARUH JARAK PENYINARAN TERHADAP PRODUKTIFITAS OKSIGEN SINGLET PADA SISTEM PENGELANTANGAN PULP FOTONIS TAK LANGSUNG

Created by Pramono, Luhur Hery

Subject : WOOD-PULP--BLECHING
Subject Alt : WOOD-PULP--BLECHING
Keyword : Intensitas cahaya ; oksigen singlet

Description :

Intensitas cahaya merupakan indikasi kekuatan dari suatu sumber cahaya. Semakin kecil jarak penyinaran menyebabkan peningkatan intensitas cahaya sehingga dapat meningkatkan produktifitas oksigen singlet. Namun selain memancarkan cahaya, suatu sumber cahaya juga menghasilkan panas. Temperatur yang lebih tinggi dapat menurunkan waktu hidup dari oksigen singlet. Semakin besar produktifitas oksigen singlet dapat meningkatkan kecerahan kertas. Pengelantangan dengan oksigen singlet sebagai agen pengelantang memberikan hasil yang paling baik dimana kenaikan kecerahan kertas dapat mencapai 4,41% sedangkan dengan Hidrogen peroksida dan oksigen masing-masing sebesar 1,78% dan 1,72%.

iv

Description Alt:

Light intensity represents strength indication from light source. Smaller apart irradiating cause improvement of light intensity so that can improve singlet oxygen productivity. But besides transmitting light, light source also produce heat. Higher level temperature can decrease singlet oxygen lifetime. Ever greater of singlet oxygen productivity can improve paper brightness. Bleaching with singlet oxygen as bleaching agent give best result where paper brightness increase can reach 4,41% while with Hydrogen peroxide and oxygen equal to 1,78% and 1,72%.

Contributor : Dr. SYAFSIR AKHLUS, MSc
Date Create : 13/01/2010
Type : Text
Format : pdf
Language : Indonesian
Identifier : ITS-Undergraduate-3100006026846
Collection : 3100006026846
Call Number : RSKi 676.1 Pra p
Source : Undergardaute These sof Department Chemistry, RSKi 676.1 Pra p, 2006
COverage : ITS Community Only
Right : Copyright @2006 by ITS Library. This p ublication is protected by copyright and permission should be obtained from the ITS Library prior to any prohibited reproduction, storage in a retrieval system, or transmission in any form or by any means, electronic, mechanical, photocopying, recording, or likewise. For information regarding

permission(s), write to ITS Library

Full file - Member Only

If You want to view FullText...Please Register as MEMBER

Contact Person :

Mr. Edy Suprayitno (edy_supra@its.ac.id)

Mrs. Ansi M. Putri(ansi@its.ac.id)

Mr. Taufik Rachmanu (taujack@its.ac.id)

Mrs. Dewi Eka Agustina (dee@its.ac.id)

Thank You,

Nur Hasan

ITS Digilib Supervisor