

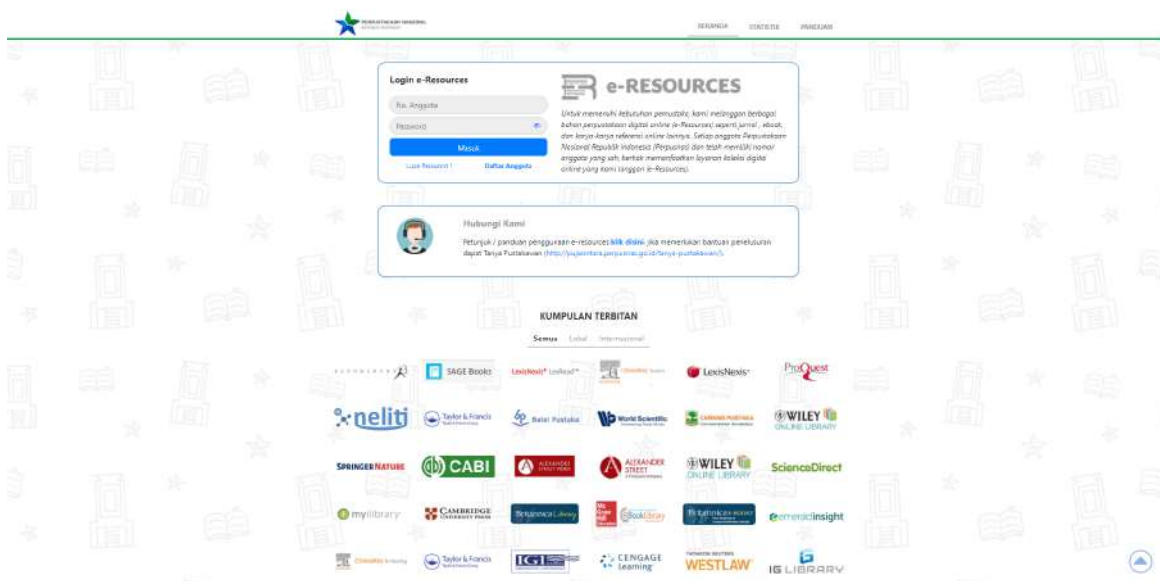


PERPUSTAKAAN NASIONAL
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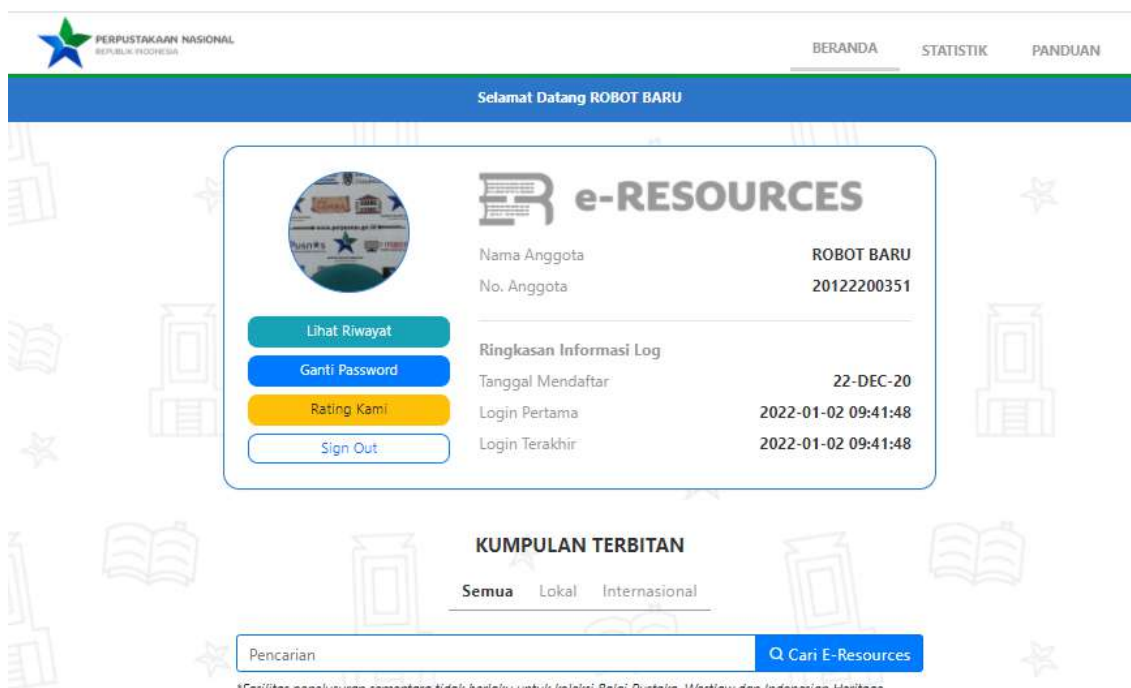
PANDUAN AKSES e-RESOURCES

Provider : Wiley Online Book
Kreator : Nofa Ade Kurniawan, S.Hum.
Tanggal Dibuat : 4 Februari 2022
Tanggal Update : 4 Februari 2022

1. Buka e-resources.perpusnas.go.id dan login menggunakan nomor anggota dan password yang diinput saat pendaftaran.



2. Tampilan setelah login akan seperti ini.

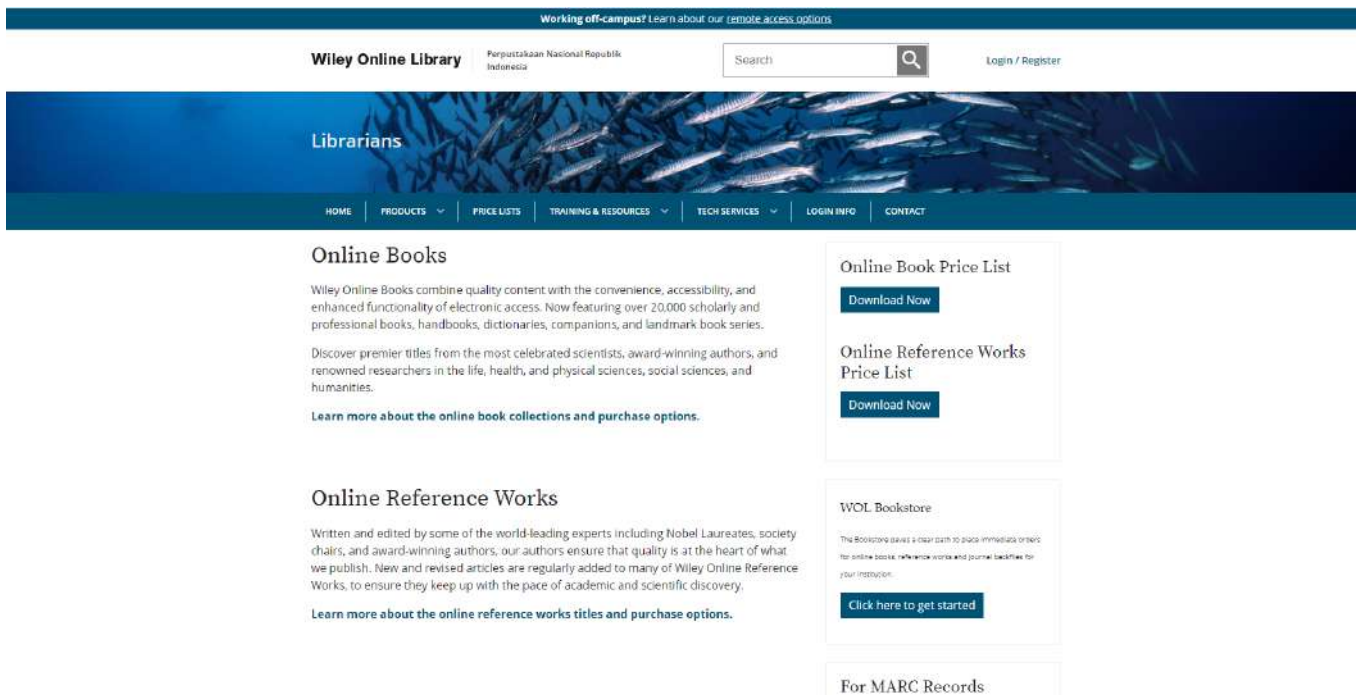


*Fasilitas penelusuran sementara tidak berlaku untuk koleksi Balai Pustaka, Westlaw dan Indonesian Heritage

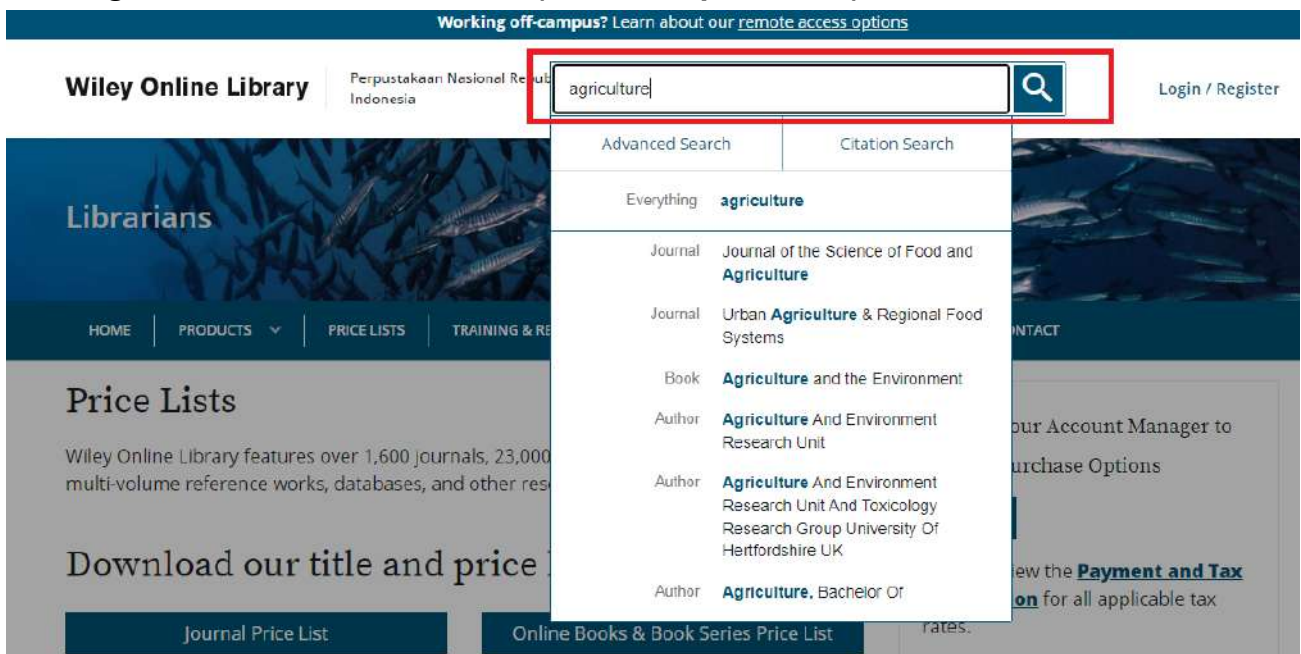
3. Scroll ke bawah dan temukan **Wiley Online Book**, lalu klik **Tautan**.



4. Setelah itu kita akan diarahkan ke **Wiley Online Book** dengan tampilan seperti ini.



5. Kemudian **ketik kata kunci pada kolom pencarian** (gunakan bahasa Inggris), misalnya **"Agricultural"**, lalu klik **Search** (ikon kaca pembesar) atau tekan **Enter**.



6. Hasil pencarian akan muncul. Pada menu **Applied Filters**, **close** (klik tanda silang "X") pada **Wiley Online Books** yang berada dalam kotak biru.

The screenshot shows the Wiley Online Library search results for the term "agricultural". The page displays 45,920 results. On the left side, there is a sidebar for "Applied Filters" with a "Clear all" button. The "Wiley Online Books" filter is selected and highlighted with a red circle and an arrow. Below the filters, there are options for "Publication Type" (Books: 40,920) and "Publication Date" (Last Week: 48, Last Month: 197, Last 3 Months: 543, Last 6 Months: 1,030, Last 2 Years: 4,447). The main content area shows a list of articles, including "International Agricultural Safety and Health" and "Agricultural Respiratory Diseases".

7. Kemudian lihat tab sebelah kiri, pada menu **Access Status**, klik **Open Access Content** agar hasil pencarian dari topik **Agricultural** hanya menampilkan koleksi-koleksi yang **Open access**. Koleksi yang dapat diunduh secara lengkap (*full text*) ditandai dengan tulisan **Open access dan Full Access** dengan ikon kunci terbuka pada bagian atas di setiap judul koleksi.

The screenshot shows the Wiley Online Library search results for the term "agricultural" with the "Open Access Content" filter selected. The page displays 27,438 results. On the left side, there is a sidebar for "Access Status" with a "Clear all" button. The "Open Access Content" filter is selected and highlighted with a red box and an arrow. Below the filters, there are options for "Subjects" (ACCOUNTING: 3,300, AGRICULTURE: 315,227, ANTHROPOLOGY: 32,534, AQUACULTURE, FISHERIES & FISH SCIENCE: 53,958, ARCHAEOLOGY: 12,466) and "Published In" (Wiley Online Books: 46,024, Agronomy Journal: 23,000, Crop Science: 22,222, Soil Science Society of America Journal: 19,942, Journal of the Science of Food and Agriculture: 19,440). The main content area shows a list of articles, including "Agriculture and nutrition in India: mapping evidence to pathways" and "Competing demands for irrigation water: golf and agriculture in Spain".

8. **Klik pada judul salah satu koleksi untuk diunduh. Tampilannya akan seperti ini. Lalu klik logo PDF yang terletak di bagian atas Abstract.**

Crop Science

Eco-Efficiencies in Agro-Ecosystems | Open Access |

Eco-efficient Agriculture: Concepts, Challenges, and Opportunities

Brian A. Keating, Peter S. Carberry, Prem S. Bindraban, Senthil Asseng, Holger Meinke, John Dixon

First published: 01 March 2010 | <https://e-resources.perpusnas.go.id/2229/10.2135/cropsci2009.10.0584> | Citations: 153

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SECTIONS TOOLS

Abstract

ABSTRACT

Eco-efficiency in the simplest of terms is about achieving more with less—more agricultural outputs, in terms of quantity and quality, for less input of land, water, nutrients, energy, labor, or capital. The concept of eco-efficiency encompasses both the ecological and economic dimensions of sustainable agriculture. Social and institutional dimensions of sustainability, while not explicitly captured in eco-efficiency measures, remain critical barriers and opportunities on the pathway toward more eco-efficient agriculture. This paper explores the multidimensionality of the eco-efficiency concept as it applies to agriculture across diverse spatial and temporal scales, from cellular metabolisms through to crops, farms, regions, and ecosystems. These dimensions of eco-efficiency are integrated through the presentation and exploration of a framework that explores an efficiency frontier between agricultural outputs and inputs, investment, or risk. The challenge for agriculture in the coming decades will be to increase productivity of agricultural lands in line with the increasing demands for food and fiber. Achieving such eco-efficiency, while addressing risk and variability, will be a major challenge for future agriculture. Often, risk will be a critical issue influencing adoption; it needs explicit

<https://e-resources.perpusnas.go.id/2434/661/epdf/10.2135/cropsci2009.10.0584>

Recommended

[Sustainable Agriculture: Definition and Concepts](#)
Dennis Keeney
Journal of Production Agriculture

[Scaling up conservation agriculture: An exploration of challenges and opportunities through a stakeholder engagement process](#)
A. Reimer, J. E. Doll, T. J. Boring, T. Zimnicki
Journal of Environmental Quality

9. **Koleksi yang akan diunduh dalam bentuk PDF muncul seperti gambar dibawah ini dan klik pada ikon unduh berwarna biru () di pojok kanan atas.**

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Published March, 2010

SYMPOSIA

Eco-efficient Agriculture: Concepts, Challenges, and Opportunities

Brian A. Keating,* Peter S. Carberry, Prem S. Bindraban, Senthil Asseng, Holger Meinke, and John Dixon

ABSTRACT

Eco-efficiency in the simplest of terms is about achieving more with less—more agricultural outputs, in terms of quantity and quality, for less input of land, water, nutrients, energy, labor, or capital. The concept of eco-efficiency encompasses both the ecological and economic dimensions of sustainable agriculture. Social and institutional dimensions of sustainability, while not explicitly captured in eco-efficiency measures, remain critical barriers and opportunities on the pathway toward more eco-efficient agriculture. This paper explores the multidimensionality of the eco-efficiency concept as it applies to agriculture across diverse spatial and temporal scales, from cellular metabolisms through to crops, farms, regions, and ecosystems. These dimensions of eco-efficiency are integrated through the presentation and exploration of a framework that explores an efficiency frontier between agricultural outputs and inputs, investment, or risk. The challenge for agriculture in the coming decades will be to

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Abbreviations: GM, genetically modified; NGO, nongovernmental organization; WUE, water use efficiency.

EFFICIENCY in use of natural resources has been central to agricultural practice for over 10,000 yr. Ever since humans intervened in natural ecosystems to gather food, there has been interest in raising the efficiency of agro-ecosystems. If efficiency is simply the level of output per unit of input, “eco-efficiency” targets this simple notion toward the production of food and fiber products relative to the ecological resources used as inputs, mainly land, water, nutrients, energy, or biological diversity. Such focus should not be considered in isolation of the critical human and economic dimensions of labor and capital nor ignoring outputs such as environmental loads on

10. **Simpan di perangkat kita di tempat dan nama berkas yang dikehendaki, dan Selesai.**