

MODULE HANDBOOK
DEMOGRAPHIC
STUDIES



BACHELOR DEGREE PROGRAM
DEPARTMENT OF STATISTICS
FACULTY OF SCIENCE AND DATA ANALYTICS
INSTITUT TEKNOLOGI SEPULUH NOPEMBER



MODULE HANDBOOK DEMOGRAPHIC STUDIES DEPARTMENT OF STATISTICS

INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Proses Process	Penanggung Jawab Person in Charge			Tanggal Date
	Nama Name	Jabatan Position	Tanda tangan Signature	
Perumus <i>Preparation</i>	Dra. Madu Ratna, M.Si	Dosen <i>Lecturer</i>		March 28, 2019
Pemeriksa dan Pengendali <i>an Review and Control</i>	Dra. Madu Ratna, M.Si Dr. Dra. Ismaini Zain, M.Si	Tim kurikulum <i>Curriculum team</i>		April 15, 2019
Persetujuan <i>Approval</i>	Prof. Dr. I Nyomar Budiantara, M.Si	Koordinator RMK <i>Course Cluster Coordinator</i>		July 17, 2019
Penetapan <i>Determination</i>	Dr. Dra. Kartika Fithriasari, M.Si	Kepala Departemen <i>Head of Department</i>		July 30, 2019

**MODULE HANDBOOK
DEMOGRAPHIC STUDIES**

Module name	Demographic Studies
Module level	Undergraduate
Code	KS184553
Course (if applicable)	Demographic Studies
Semester	Seventh Semester (Ganjil)
Person responsible for the module	Dra. Madu Ratna, M.Si
Lecturer	Dra. Madu Ratna, M.Si Dr. Dra. Ismaini Zain, M.Si
Language	Bahasa Indonesia
Relation to curriculum	Undergraduate degree program, elective , 7 th semester.
Type of teaching, contact hours	Lectures, <50 students
Workload	1. Lectures : 3 x 50 = 150 minutes per week. 2. Exercises and Assignments : 3 x 60 = 180 minutes (3hours) per week. 3. Private learning : 3 x 60 = 180 minutes (3 hours) per week.
Credit points	3 credit points (sks)
Requirements according to the examination regulations	A student must have attended at least 80% of the lectures to sit in the exams.
Mandatory prerequisites	<ul style="list-style-type: none"> • Introduction to Statistical Method • Regression Analysis

<p>Learning outcomes and their corresponding to PLOs</p>	<p>CLO.1 Students understand the scope of demographics, population studies, sources of demographic data, and recognize population problems.</p> <p>CLO.2 Students know population theory and demographic transition theory and population dynamics.</p>	<p>PLO.1</p>
	<p>CLO.3 Students understand some of the basic measures of Demography, Mortality and Fertility, Death Tables, Application of Death Tables, Population Mobility, Employment, and population quality, both in the concept and utilization of population data.</p> <p>CLO.4 Students are able to express ideas or ideas in solving population problems using statistical methods orally and in writing well.</p> <p>CLO.6 Have knowledge of current and future issues related to the population sector</p>	<p>PLO.3</p>
	<p>CLO.7 Able to communicate effectively and work together in interdisciplinary and multidisciplinary teams</p> <p>CLO.8 Have professional responsibilities and ethics</p> <p>CLO.9 Able to motivate yourself to think creatively and learn throughout life</p>	<p>PLO.4</p>
<p>Content</p>	<p>Population Studies is one of the expertise courses that are part of the field of study in the Population and Social Statistics Course Clusters. The purpose of studying Population Studies is that students are able to know the concept of demography and / or population studies, sources of demographic data, introduction to population theory, demographic transition theory, some basic measures of Demography, Mortality and Fertility, Death Tables, Application of Death Tables, population mobility, employment, and quality. population, as well as analyzing population problems using statistical methods (simple). Through this course, it is hoped that students will have a learning experience to think critically and be able to make correct decisions about solutions to population problems using statistical methods. The learning strategies used are lectures, discussions, practice questions, problem based learning, and assignments.</p>	

Study and examination requirements and forms of examination	<ul style="list-style-type: none"> ● In-class exercises ● Mid-term examination ● Final examination
Media employed	LCD, whiteboard, websites (myITS Classroom), zoom.
Reading list	<ol style="list-style-type: none"> 1. Adioetomo,S.M. dan Samosir,O.B., 2010. <i>Dasar-Dasar Demografi</i>. Jakarta: Lembaga Demografi Fakultas Ekonomi UI. 2. Alho., M.J. and Spencer, B.D. 2005. <i>Statistical Demography anda Forecasting</i>. Springer Series in Statistics (e_book). 3. Coldwell, J.C., 2006. <i>Demographic Transition Theory</i>. Springer Netherlannds (e_book) 4. Mantra, I.B., 2010. <i>Pengantar Studi Demografi</i>. Yogyakarta: Nur Cahaya.

RENCANA PEMBELAJARAN SEMESTER (RPS)
SEMESTER LEARNING PLAN



	Program Studi	Sarjana, Departemen Statistika, FSAD-ITS
	Mata Kuliah	Studi Kependudukan
	Kode Mata Kuliah	KS184553
	Semester/SKS	VII/3
	MK Prasyarat	Pengantar Metode Statistika, Analisis Regresi
RP-S1	Dosen Pengampu	Dr. Madu Ratna, M.Si ; Dr. Ismaini Zain

Bahan Kajian <i>Study Materials</i>	Teori Statistika, Pengumpulan Data, Deskripsi dan Eksplorasi, Komputasi dan Data Processing, Pemodelan, Pemerintahan dan Kependudukan, Kesehatan dan Lingkungan, Sosial Humaniora <i>Statistics Theory, Collecting Data, Description and Exploration, Computation and Data Processing, Government and Population, Health and Environment, Social Humanities</i>
CPL yang dibebankan MK <i>PLO</i>	CPL-1 Mampu menerapkan pengetahuan teori statistika, matematika, dan komputasi CPL-3 Mampu menganalisis data dengan metode statistika yang tepat dan menginterpretasikannya CPL-4 Mampu mengidentifikasi, memformulasi, dan menyelesaikan masalah statistika di berbagai bidang terapan <i>PLO.1 Able to apply knowledge of statistical theory, mathematics, and computation</i> <i>PLO.3 Able to analyze data with appropriate statistical methods and interpret them</i> <i>PLO.4 Able to identify, formulate, and solve statistical problems in various applied fields</i>



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CP-MK
CLO

- CPMK.1 Mahasiswa memahami ruang lingkup demografi, studi kependudukan, sumber data demografi, dan mengenali permasalahan kependudukan.
- CPMK.2 Mahasiswa mengetahui teori penduduk dan teori transisi demografi dan dinamika kependudukan.
- CPMK.3 Mahasiswa memahami beberapa ukuran dasar Demografi, Mortalitas dan Fertilitas, Tabel kematian, Aplikasi Tabel Kematian, Mobilitas Penduduk, Ketenagakerjaan, dan kualitas penduduk, baik dalam konsep dan pemanfaatan data kependudukan.
- CPMK.4 Mahasiswa mampu mengungkapkan ide atau gagasan dalam menyelesaikan permasalahan kependudukan menggunakan metode statistika secara lisan dan tertulis dengan baik.
- CPMK.6 Memiliki pengetahuan tentang isu terkini dan mendatang yang berkaitan dengan bidang kependudukan
- CPMK.7 Mampu berkomunikasi secara efektif dan bekerjasama dalam tim yang interdisiplin dan multidisiplin
- CPMK.8 Memiliki tanggung jawab dan etika profesi
- CPMK.9 Mampu memotivasi diri untuk berpikir kreatif dan belajar sepanjang hayat

CLO.1 Students understand the scope of demographics, population studies, sources of demographic data, and recognize population problems.

CLO.2 Students know population theory and demographic transition theory and population dynamics.

CLO.3 Students understand some of the basic measures of Demography, Mortality and Fertility, Death Tables, Application of Death Tables, Population Mobility, Employment, and population quality, both in the concept and utilization of population data.



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	<p><i>CLO.4 Students are able to express ideas or ideas in solving population problems using statistical methods orally and in writing well.</i></p> <p><i>CLO.6 Have knowledge of current and future issues related to the population sector</i></p> <p><i>CLO.7 Able to communicate effectively and work together in interdisciplinary and multidisciplinary teams</i></p> <p><i>CLO.8 Have professional responsibilities and ethics</i></p> <p><i>CLO.9 Able to motivate yourself to think creatively and learn throughout life</i></p>
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Pertemuan <i>Meeting</i>	Kemampuan Akhir Sub CP-MK <i>Final Ability</i>	Keluasan (materi pembelajaran) <i>Extent (learning material)</i>	Metode Pembelajaran <i>Learning methods</i>	Estimasi Waktu <i>Duration</i>	Bentuk Evaluasi <i>Evaluation Type</i>	Kriteria dan Indikator Penilaian <i>Assessment Criteria and Indicators</i>	Bobot Penilaian <i>Scoring</i>
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1-2	<p>Mahasiswa memahami ruang lingkup demografi, studi kependudukan, sumber data demografi, dan mengenali permasalahan kependudukan.</p> <p><i>Students understand the scope of demographics, population studies, sources of demographic data, and recognize population problems.</i></p>	<ol style="list-style-type: none"> Definisi dan Ruang Lingkup Demografi dan Studi Kependudukan Sumber Data Demografi Isu terkini permasalahan kependudukan <p><i>1. Definition and Scope of Demography and Population Studies</i></p> <p><i>2. Demographic Data Sources</i></p> <p><i>3. Current issue of population problems</i></p>	<p>Ceramah, Diskusi, Problem Based Learning (PBL)</p> <p><i>Lecture, Discussion, Problem Based Learning (PBL)</i></p>	<p>2x150 menit</p> <p><i>2 x 150 Minutes</i></p>	<p>Penugasan1/ Diskusi Kelas</p> <p>Membuat tulisan tentang permasalahan kependudukan yang paling krusial di Indonesia</p> <p>Assignment 1 / Class Discussion</p> <p><i>Writing about the most crucial population problems in Indonesia</i></p>	<ol style="list-style-type: none"> Dapat menjelaskan definisi dan ruang lingkup demografi Dapat membedakan konsep demografi dan studi kependudukan Dapat menjelaskan sumber-sumber demografi Dapat mengidentifikasi permasalahan kependudukan yang krusial <p><i>1. Can explain the definition and scope of demographics</i></p> <p><i>2. Can differentiate the concept of demography and population studies</i></p>	7,5%
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	Semester/SKS	VII/3
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						<i>3. Can explain demographic sources</i> <i>4. Can identify crucial population problems</i>	
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3	<p>Mahasiswa mengetahui teori penduduk dan teori transisi demografi dan dinamika kependudukan</p> <p><i>Students know population theory and demographic transition theory and population dynamics</i></p>	<ol style="list-style-type: none"> Teori penduduk Dinamika Kependudukan Transisi Demografi <p><i>1. Population theory</i> <i>2. Population Dynamics</i> <i>3. Demographic Transition</i></p>	<p>Ceramah, Diskusi, Problem Based Learning (PBL)</p> <p><i>Lecture, Discussion, Problem Based Learning (PBL)</i></p>	<p>1x150 menit</p> <p><i>1 x 150 Minutes</i></p>	<p>Penugasan2</p> <p>Mereview transisi demografi di Indonesia</p> <p>Assignment 2</p> <p><i>Reviewing the demographic transition in Indonesia</i></p>	<ol style="list-style-type: none"> Mengetahui dasar teori penduduk yang mendasar Dapat menjelaskan tentang konsep dinamika kependudukan Dapat menjelaskan apa yang dimaksud transisi demografi <p><i>1. Know the basic basic population theory</i> <i>2. Can explain the concept of population dynamics</i> <i>3. Can explain the definition of demographic transition</i></p>	7,5%/15%
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4-5	<p>Mahasiswa memahami beberapa ukuran dasar Demografi, Mortalitas dan Fertilitas dan pemanfaatan data</p> <p><i>Students understand some of the basic measures of Demography, Mortality and Fertility and the use of data</i></p>	<ol style="list-style-type: none"> 1. Ukuran Dasar Demografi 2. Ukuran Dasar Mortalitas 3. Ukuran Dasar Fertilitas 4. Pemanfaatan Data Dasar Demografi, Mortalitas, dan Fertilitas <p><i>1. Demographic Baseline Measures</i></p> <p><i>2. Basic Mortality Measures</i></p> <p><i>3. Basic Measures of Fertility</i></p> <p><i>4. Utilization of Basic Data on Demography, Mortality, and Fertility</i></p>	<p>Ceramah, Diskusi, Problem Based Learning (PBL)</p> <p><i>Lecture, Discussion, Problem Based Learning (PBL)</i></p>	<p>2 x 150</p> <p>2 x 150 Minutes</p>	<p>Penugasan Latihan</p> <p>menghitung</p> <ol style="list-style-type: none"> 4. ukuran dasar demografi 5. Ukuran dasar mortalitas, dan 6. Ukuran dasar fertilitas <p>Assignment Exercise</p> <p>counting</p> <p>4. demographic baseline measure</p> <p>5. Basic measures of mortality, and</p>	<ol style="list-style-type: none"> 1. Dapat menghitung ukuran dasar demografi 2. Dapat mengitung ukuran dasar mortalitas 3. Dapat menghitung ukuran dasar fertilitas 4. Dapat menganalisis ukuran dasar demografi, <p><i>1. Can calculate basic demographic measures</i></p> <p><i>2. Can shoot a baseline mortality measure</i></p> <p><i>3. Can calculate baseline fertility</i></p> <p><i>4. Can analyze basic demographic measures,</i></p>	30%/45%
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					6. The baseline fertility measure		
6-7	<p>Mahasiswa memahami beberapa Tabel Kematian dan aplikasinya</p> <p><i>Students understand some of the Death Tables and their applications</i></p>	<ol style="list-style-type: none"> Konsep Dasar Tabel Kematian Aplikasi Tabel Kematian <p><i>1. Basic Concept of the Death Table</i></p> <p><i>2. Death Table Application</i></p>	<p>Ceramah, Diskusi, Problem Based Learning (PBL)</p> <p><i>Lecture, Discussion, Problem Based Learning (PBL)</i></p>	<p>2 x 150</p> <p>2 x 150 Minutes</p>	<p>Penugasan</p> <p>Menyusun dan mengaplikasikan Tabel Kematian</p> <p><i>Assignment</i></p> <p><i>Compile and apply the Death Table</i></p>	<ol style="list-style-type: none"> Dapat menjelaskan konsep dasar dari suatu Tabel Kematian Dapat mengaplikasikan suatu Tabel Kematian <p><i>1. Can explain the basic concept of a Death Table</i></p> <p><i>2. Can apply a Death Table</i></p>	10%/55
8					ETS		



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9-10	<p>Mahasiswa memahami ukuran dasar mobilitas dan ketenagakerjaan</p> <p><i>Students understand the basic measures of mobility and employment</i></p>	<ol style="list-style-type: none"> Ukuran Dasar Mortalitas Ukuran Dasar Fertilitas Pemanfaatan Data Dasar Demografi, Mortalitas, dan Fertilitas <p><i>1. Basic Mortality Measures</i> <i>2. Basic Measures of Fertility</i> <i>3. Utilization of Basic Data on Demography, Mortality, and Fertility</i></p>	<p>Ceramah, Diskusi, Problem Based Learning (PBL)</p> <p><i>Lecture, Discussion, Problem Based Learning (PBL)</i></p>	<p>2 x 150</p> <p>2 x 150 Min utes</p>	<p>Penugasan Latihan menghitung Indikator Ketenagakerjaan</p> <p>Assignments of exercises to calculate the Employment Indicators</p>	<ol style="list-style-type: none"> Dapat menjelaskan ukuran dasar mobilitas Dapat menghitung ukuran dasar ketenagakerjaan <p><i>1. Can explain the basic measure of mobility</i> <i>2. Can calculate the basic size of employment</i></p>	15%/70%
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11-13	<p>Mahasiswa memahami ukuran indikator kependudukan lainnya.</p> <p><i>Students understand other demographic indicators.</i></p>	<ol style="list-style-type: none"> 1. Family Planning 2. Kualitas Penduduk (HDI, GDI, GEM, dll.) 3. Kemiskinan <p><i>1. Family Planning</i></p> <p><i>2. Population Quality (HDI, GDI, GEM, etc.)</i></p> <p><i>3. Poverty</i></p>	<p>Ceramah, Diskusi, Problem Based Learning (PBL)</p> <p><i>Lecture, Discussion, Problem Based Learning (PBL)</i></p>	<p>3 x 150</p> <p><i>3 x 150 Minutes</i></p>	<p>Penugasan Latihan</p> <p>Membuat artikel ilmiah dengan topik family planning/kualitas penduduk/keiskinan</p> <p>Assignment of Exercises</p> <p><i>To make scientific articles on the topic of family planning / population quality / poverty</i></p>	<ol style="list-style-type: none"> 1. Dapat menjelaskan konsep dan indikator family planning 2. Dapat menjelaskan konsep dan indikator kualitas penduduk 3. Dapat menjelaskan konsep dan indikator kemiskinan <p><i>1. Can explain the concepts and indicators of family planning</i></p> <p><i>2. Can explain the concepts and indicators of population quality</i></p> <p><i>3. Can explain the concepts and indicators of poverty</i></p>	15%/85%
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14-15	<p>Mahasiswa mampu mengungkapkan ide atau gagasan dalam menyelesaikan permasalahan kependudukan menggunakan metode statistika secara lisan dan tertulis dengan baik.</p> <p><i>Students are able to express ideas or ideas in solving population problems using statistical methods orally and in writing well.</i></p>	<p>Beberapa metode statistika pada permasalahan Studi Kependudukan</p> <p><i>Several statistical methods on Population Studies problems</i></p>	<p>Ceramah, Diskusi, Problem Based Learning (PBL)</p> <p><i>Lecture, Discussion, Problem Based Learning (PBL)</i></p>	<p>2 x 150</p> <p>2 x 150 Min utes</p>	<p>Presentasi</p> <p><i>Presentation</i></p>	<p>Dapat mengenal beberapa teknik metode statistika pada permasalahan Studi Kependudukan</p> <p><i>Can get to know some statistical method techniques on Population Studies problems</i></p>	15%/100 %
16	EAS						

PUSTAKA/ REFERENCES :

Buku:

1. Mantra, I.B., 2010. Pengantar Studi Demografi. Penerbit Nur Cahaya, Yogyakarta
2. Adioetomo, S.M. dan Samosir, O.B., 2010. Dasar-Dasar Demografi. Lembaga Demografi Fakultas Ekonomi UI, Jakarta. Pustaka Pendukung :
3. Coldwell, J.C., 2006. Demographic Transition Theory. Springer_Netherlannds (e_book)