



**UNIVERSITAS NEGERI YOGYAKARTA  
FAKULTAS BAHASA DAN SENI**

**SILABUS  
MATA KULIAH : QUANTITATIVE RESEARCH**

Fakultas : Bahasa dan Seni  
Program Studi : Bahasa dan Sastra Inggris  
Mata Kuliah & Kode : Quantitative Research Kode \_\_\_\_\_  
Jumlah SKS : Teori: 1 SKS Praktik: 1 SKS  
Semester : 6  
Mata Kuliah Prasyarat & Kode : -  
Dosen : Suharso

**I. DESKRIPSI MATA KULIAH**

This subject presents principles and methods of conducting quantitative research. It begins with a comparison between quantitative and qualitative studies and strengths and weaknesses of each approach. Then it moves to the discussion on the quantitative approach. The subject includes both theories and practices. The delivery of the materials employs some techniques such as lecturing, discussion, individual work, and group work. Students are to submit quantitative research proposals at the end of the semester, and their achievement is assessed through their classroom participation, home assignments, mid and final tests, and individual proposals.

**II. STANDARISASI KOMPETENSI MATA KULIAH**

Upon completion of this subject, students are expected to understand:

- differences between quantitative and qualitative approaches
- strengths and weaknesses of each approach
- principles of the quantitative approach
- methods or techniques commonly employed in quantitative research, and
- steps in conducting quantitative research

**III. POKOK BAHASAN DAN RINCIAN POKOK BAHASAN**

Minggu Ke	Pokok Bahasan	Rincian Pokok Bahasan	Waktu
1	Introduction	Description of the course, the competence students have to acquire, the teaching and learning process, and assignments	100 minutes
2	Research: Its nature and characteristics General methodology: Qualitative and quantitative research	Explanation of research terms and research approaches and their characteristics	100 minutes
3	Strengths and weaknesses of each	Explanation of strengths and weaknesses of both quantitative and qualitative approaches	100 minutes



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	approach		
4	Quantitative research questions	Descriptive, comparative, correlational	100 minutes
5	Types of quantitative research	Survey, experimental, ex post facto	100 minutes
6	Variables	Concept, types (dependent, independent, control, moderator)	100 minutes
7	Hypothesis	Formulation, types (research, alternative, null, directional, non-directional)	100 minutes
8	<b>Mid semester test</b>	Review of the materials	100 minutes
9	Sampling techniques	Population, sample, probability and non-probability sampling techniques	100 minutes
10	Data collection	Techniques commonly employed to collect quantitative data (tests, questionnaires)	100 minutes
11	Data analysis	Descriptive statistics (mean, mode, median, standard deviation, range), normal curve Inferential statistics (product moment correlation, multiple regression, t-test, analysis of variance)	100 minutes
12	Reliability and validity	Interrater, intrarater, internal consistency, split half, KR 20, KR 21, Cronbach's Alpha, internal validity, external validity, content validity, construct validity, criterion-related validity,	100 minutes
13	Proposal writing	Components of a quantitative research proposal	100 minutes
14	Proposal writing	Contents of each component of a quantitative research proposal	100 minutes
15	Review	Discussion on the previously delivered materials	100 minutes
16	Review	Discussion on the previously delivered materials	100 minutes



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**IV. REFERENSI/ SUMBER BAHAN**

**A. Wajib** : - A compilation of materials on quantitative research  
- Vanderstoep, S. W. & Johnston, D. D. (2009). *Research methods for everyday life: Blending qualitative and quantitative approaches*. San Francisco: Jossey-Bass

**B. Anjuran** :

Cohen, L., Manion, L., & Morrison, K. (2007) *Research methods in education (6<sup>th</sup> edn)*. London: Routledge

Denscombe, M. (2007). *The good research guide for small-scale social research projects (3<sup>d</sup> edn.)*. New York: Open University Press

Johnson, B. & Christensen, L. (2008) *Educational research (3<sup>d</sup> edn)*. Los Angeles: Sage Publications

Larson-Hall, J. (2010) *A guide to doing statistics in second language research using SPSS*. New York: Routledge

Rasinger, S. M. (2008). *Quantitative research in linguistics*. London: Continuum

**V. EVALUASI**

No	Komponen Evaluasi	Bobot (%)
1	Partisipasi Kuliah	10
2	Tugas-tugas: <i>Quantitative data analysis</i> <i>Interpretation of data analysis printouts</i> <i>Proposal</i> <i>3 journal reviews</i>	30
3	Ujian Tengah Semester	30
4	Ujian Semester	30
Jumlah		100%