


**List of Coursebooks - Bachelor's Degree Programme - 4th Semester
Faculty of Life Sciences & Technology, Department of Chemical
Engineering, Concentration of Pharmaceutical Engineering - 2019/2020**

| | Subject | Books | Price | Notes |
|---|--|--|---------------------|------------------------------|
|  | Pharmaceutical Engineering Unit Operations | Unit operation of chemical engineering 7e McCabe McGraw-Hill ISBN 9780071247108 | Rp. 470,000 | Adopted since September 2015 |
| | Heat and Fluid Transfer | | | |
|  | Heat and Fluid Transfer | Chemical engineering Fluid mechanics, 3e Darby CRC ISBN 9781498724425 | Available on demand | Adopted since November 2017 |
|  | Physical Chemistry | Physical chemistry, 4e Silbey John Wiley ISBN 9780471215042 | Rp. 660,000 | Adopted since 2005 |
| | Thermodynamics | | | |
|  | Thermodynamics Laboratory | Moran's principles of engineering thermodynamics SI Moran John Wiley ISBN 9781119454069 | Rp. 430,000 | Adopted since 2005 |
|  | Chemical Reaction and Kinetics | Chemical reaction engineering, 3e Levenspiel John Wiley ISBN 9780471254249 | Rp. 460,000 | Adopted since October 2016 |
| | Pancasila & Civic | Handout | | |
| | English 3 | Handout | | Adopted since 2019 |

File:

QF 20.01/Rev. 00

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|---|--------------------------------------|--|---|---------------------------------|
|  | <p>German Language and Culture 3</p> | <p>Berliner platz 1. Neu Lehr- und Arbeitsbuch. Mit 2 CD's Lemcke Langenscheidt ISBN 9783468472015</p> | <p>Continued from previous semester</p> | <p>Adopted since March 2010</p> |
| <p>Total</p> | | | <p>Rp. 2,020,000,-</p> | |