

# SISTEM KOMUNIKASI OPTIK

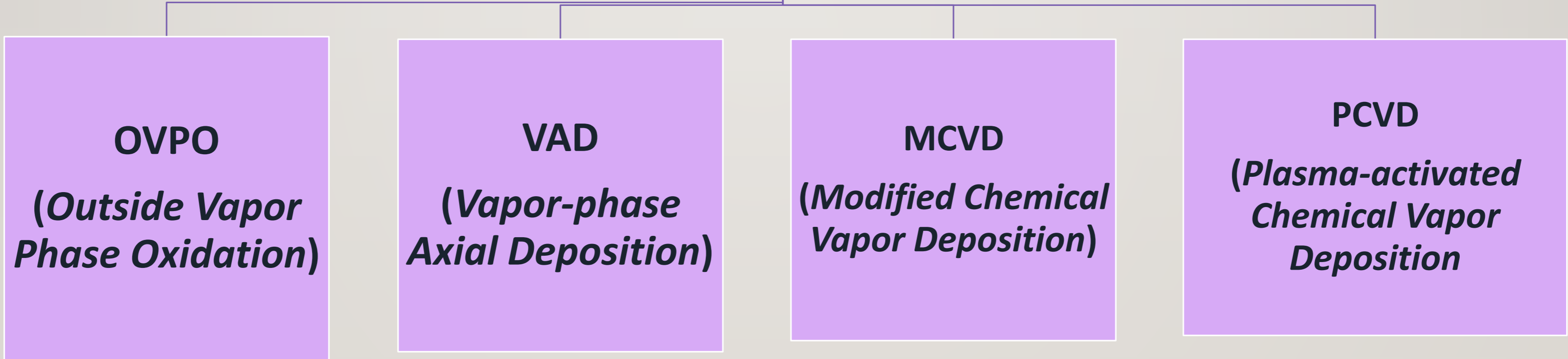
- **BAB 3**
- **TEKNIK VAPOR PHASE OXIDATION**

- D3 Teknologi Telekomunikasi – Fakultas Ilmu Terapan



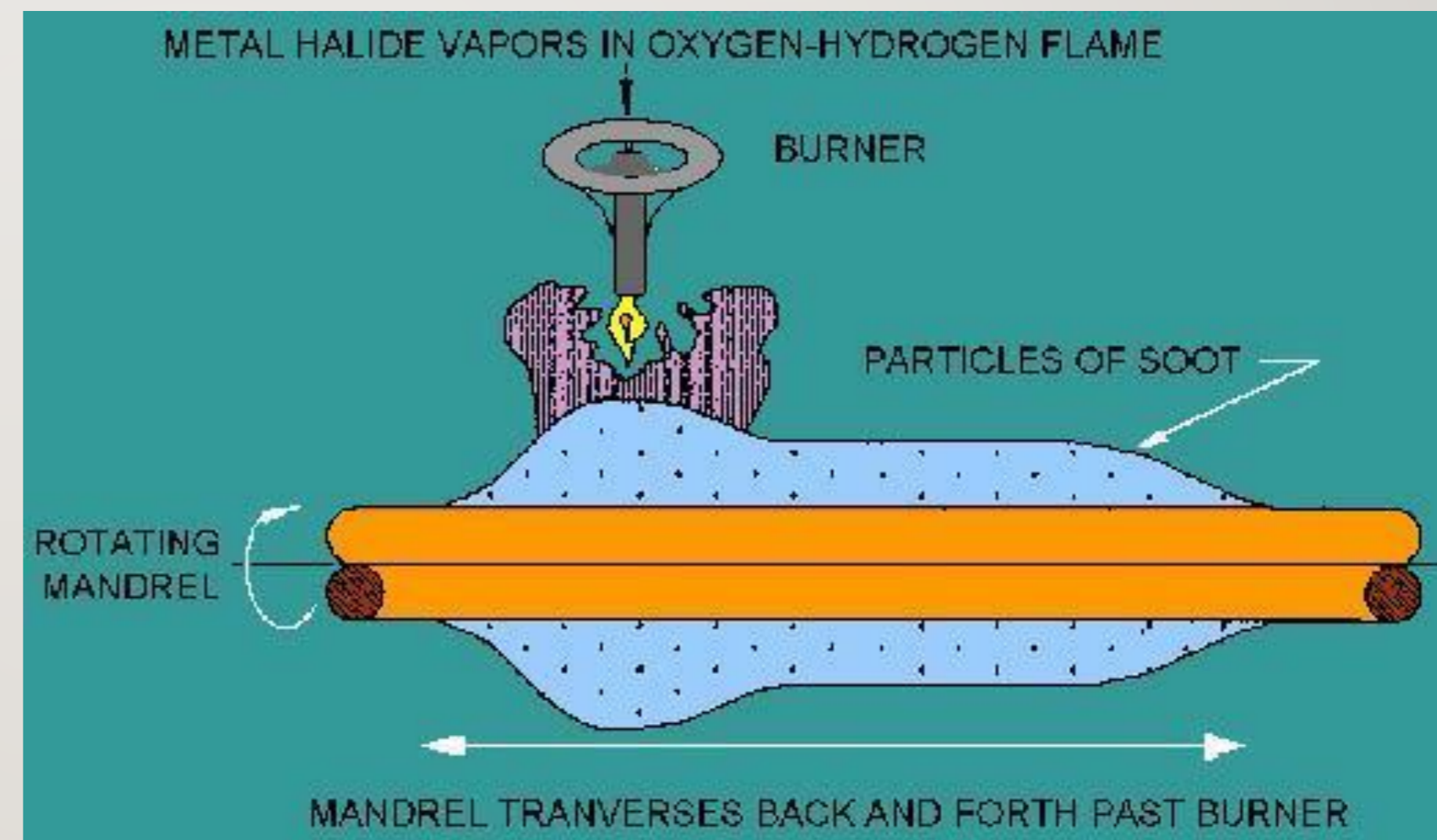
# VAPOR PHASE OXIDATION

## Vapor Phase Oxidation



# OVPO (OUTSIDE VAPOR PHASE OXIDATION)

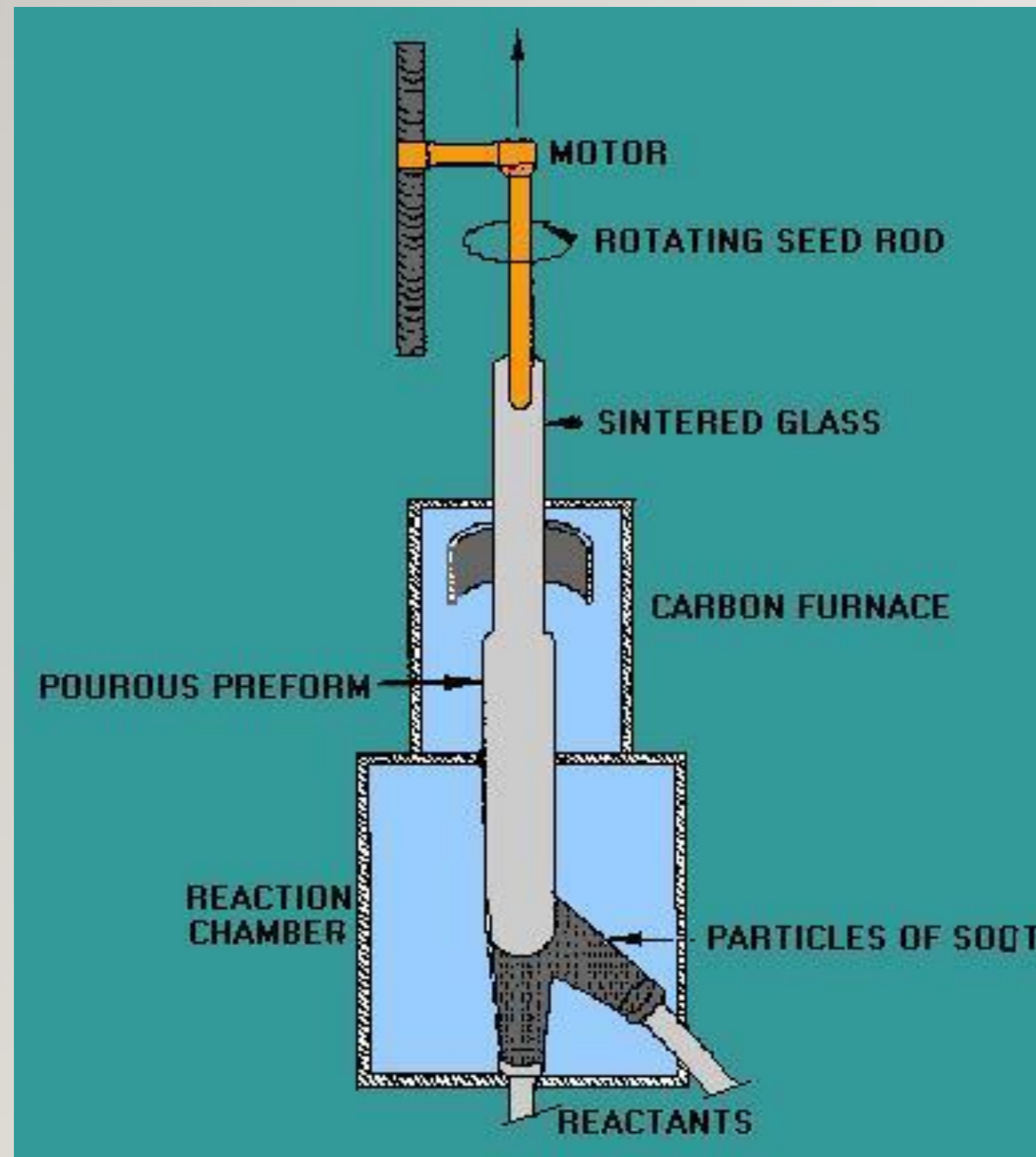
- ❑ Fiber dengan loss kurang dari 20 db/km
- ❑ Layer partikel  $\text{SiO}_2$  yang disebut sebagai "soot"
- ❑ Melakukan controlling



Sumber Referensi :

Rosendahl Næxtrom di <https://iopic.wordpress.com/category/fiber/>  
Gerd, Keiser, 2010, *Optical Fiber Communications*, 4<sup>th</sup> edition, McGraw Hill, International Edition

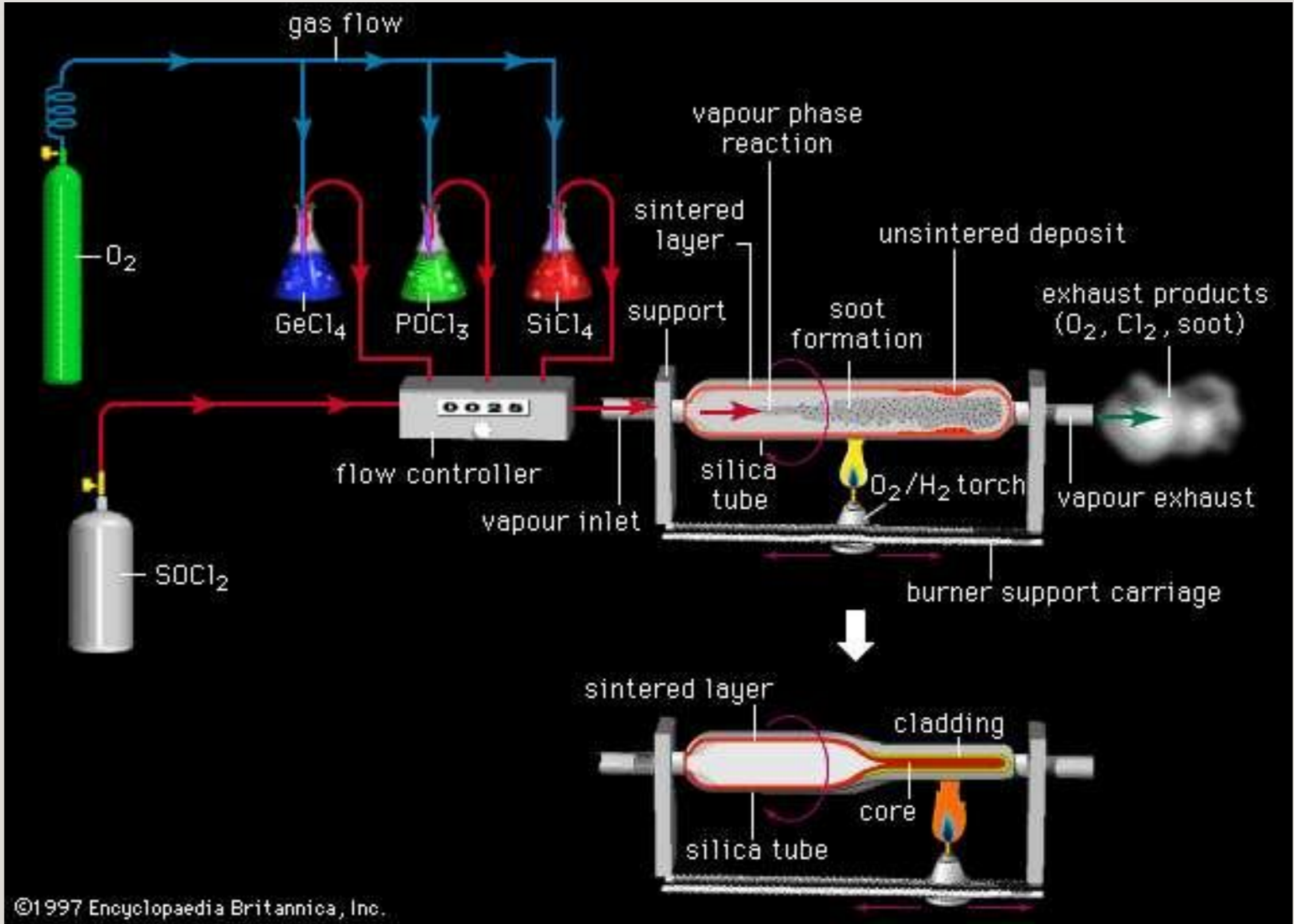
# VAD (VAPOR-PHASE AXIAL DEPOSITION)



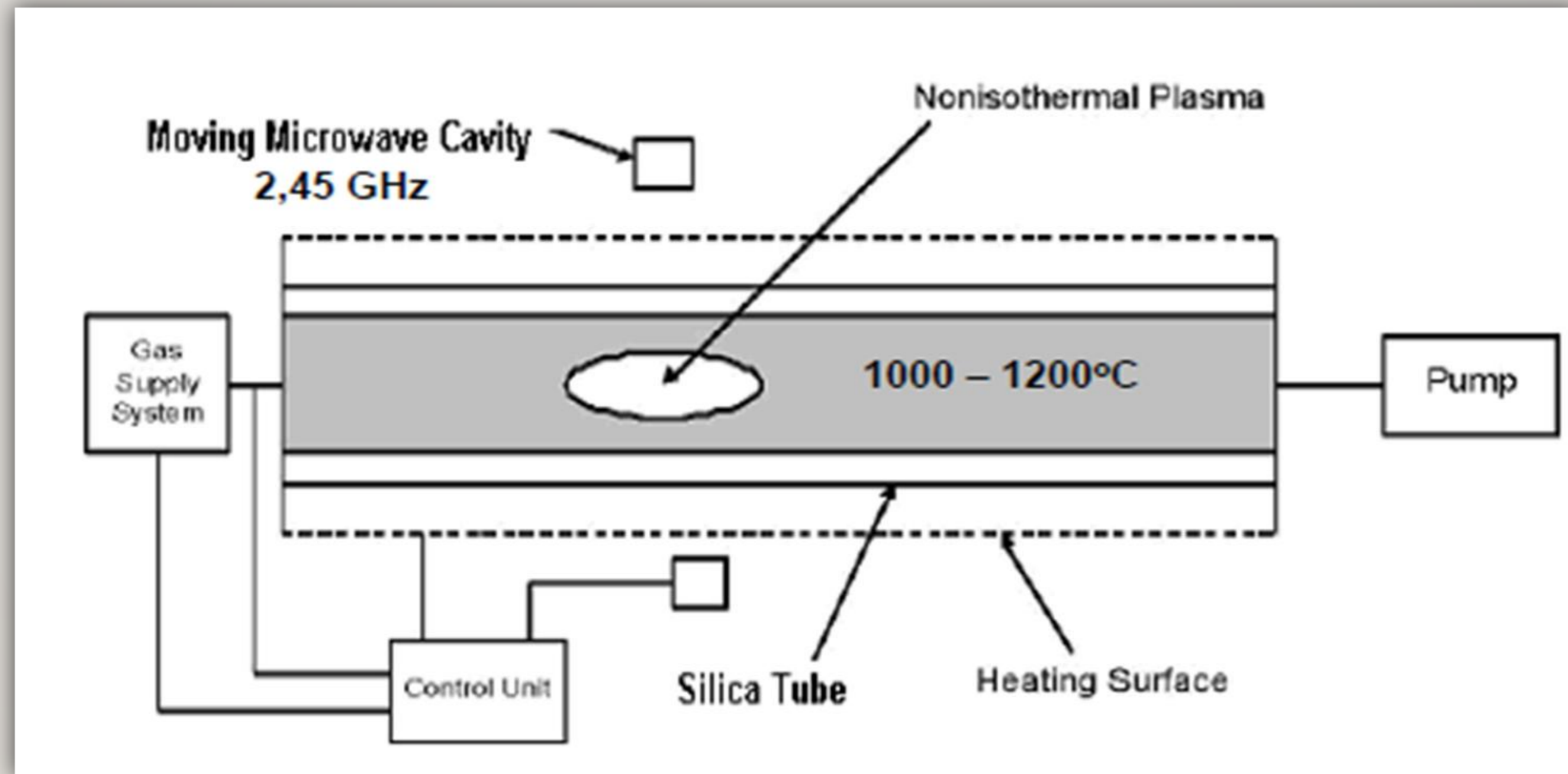
## Keuntungan:

1. Perform tidak memiliki central hole seperti pada *Outside Vapor Phase Oxidation*
2. Posisi *reaction chamber* dan *zone melting (ring heater)* yang terhubung satu sama lain

# MCVD (MODIFIED CHEMICAL VAPOR DEPOSITION)



# PCVD (PLASMA-ACTIVATED CHEMICAL VAPOR DEPOSITION)





# TERIMA KASIH

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## UNITED STATES OFFICE

1243 Barker Cypress  
San Francisco, California



## EUROPE OFFICE

13 Ave. Ballarta  
Barcelona, Spain



## SOUTH AMERICA OFFICE

45 Calle Norte  
Argentina

